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**INDUSTRY**

OCTOBER 1952



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# Connecticut INDUSTRY

MANUFACTURERS' ASSOCIATION OF CONNECTICUT, INC.  
VOL. 30 - NO. 10 - OCTOBER 1952

L. M. BINGHAM, Editor

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Published monthly by the Manufacturers' Association of Connecticut, Inc., with executive offices at 928 Farmington Avenue, West Hartford, Connecticut. Entered as second-class matter January 29, 1929, at the post office at Hartford, Connecticut, under the Act of March 3, 1879. As the official magazine of the Manufacturers' Association of Connecticut, Inc., it carries authoritative articles and notices concerning the Association activities. In all other respects the Association is not responsible for the contents and for the opinion of its writers. Subscription rates: one year \$2.50; 25¢ a copy. Subscribers should notify publisher promptly of changes in address. Advertising rates on application.



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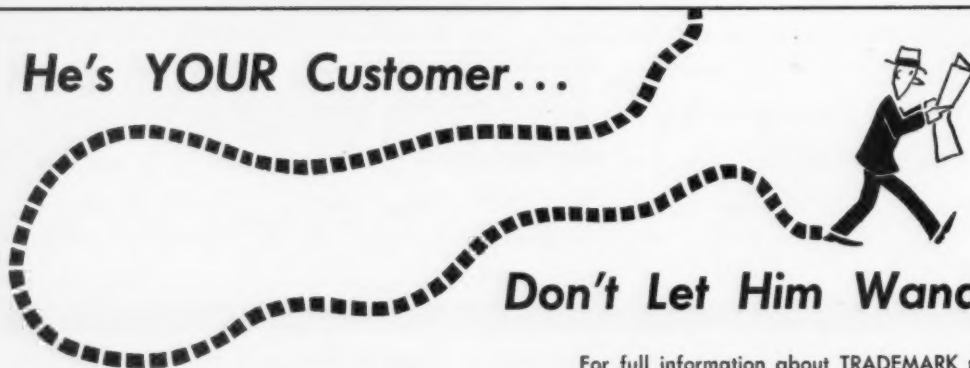
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# YOUR MOST IMPORTANT *Date* IN 1952

By A. V. BODINE, *President*

**Y**OU have had many important business and social engagements thus far this year and no doubt will have many more before the end of the year. Some of you will have important problems of financing. Others will have labor union contracts to negotiate successfully in order to avoid a production stoppage. A few of you either will be negotiating to buy or sell your business. Many of you will be straining every nerve to book new orders or locate enough materials or workers to produce your present orders on schedule. And by no means least of your important dates for the remainder of the year will be with your wife or members of your family, which are all too frequently broken by unforeseen business emergencies that detract much from family harmony. And of course those of you who are still in pursuit of a partner know better that I can remember the consequences of too many broken dates with your best girl.

Important as all these dates are, there is one date more important than all others in this year 1952. It shouldn't require more than a half hour to one hour of your time, if you are near the proper location. No matter if it requires the loss of a day and a cross-continental airplane flight, it is a date so vitally important to you that it should take priority above all others. It is your date on November 4 to cast your vote for the candidates or the political party you believe will furnish the best solutions to the many serious problems that will face our state and nation during the next four years beginning in January 1953.

If you happen to be one of those who feels that his one vote won't count in the final outcome of the next or any election; that you could spend your time to better advantage by closing a deal in Washington or in San Francisco on Election Day—your conclusion is wrong. The record in many local, state and national elections proves that one stay-at-home vote in each voting precinct has lost an election for candidates you might have favored personally. Let us look at just a few from the scores of examples on record.

Going back to the World War I period, Charles Evans Hughes was defeated by Woodrow Wilson for the Presidency in 1916 by less than one vote per precinct in the state of California, or by a margin of only 3806 votes out of a total of nearly one million cast in over 5000 precincts in this pivotal state. And make no mistake about it, there are many such pivotal states involved in the all-important election on November 4, where one stay-at-home vote in

each precinct may well defeat your favorite candidates for President, Senators, or Representatives.

Statehood was won by four large western states and the largest southern state of Texas by just one vote, and the citizens who live in this large territory are therefore Americans by just one precious vote like yours. In the 1950 Congressional election Senator William Benton won the election from Republican candidate Prescott Bush by only 1102 votes out of 875,000 votes cast in 480 precincts. And only last year Republican Mayor Celentano of New Haven won reelection by the barely visible margin of two votes.

Yes, your vote and that of every other business man has counted mightily in the past and may well spell the difference on November 4 between government that will serve the people well within the fire walls of the Constitution, and bad government that reaches out its tentacles to control more and more of our activities until at last there is no freedom left, and worse still, no burning desire to be free. A refusal to attach the proper value to one's voting privilege to keep his country free is a dangerous counterpart to the loss of "will to be free" that has frequently afflicted many conquered peoples in the past. It is a facet of the thinking President Grover Cleveland warned against when he said in an address during his second term in office: "If you businessmen of this nation do not interest yourselves in politics and legislation, the vast properties you own will be managed by those who neither understand them nor care for them."

Despite all the perplexing problems that beset us on all sides this is a magnificent time in which to live. History is being made faster than ever before and for keeps. Great ideas are on the march and everywhere there is a tenseness that accompanies great expectation of both good and bad events. As Clarence Randall said in the closing chapter of his recent book, *A Creed for Free Enterprise*, "Nothing has been decided with finality, and whoever strikes a blow for the things he believes in may still enter the battle. In fact, the break may be at hand. This is no last ditch struggle for free enterprise; actually the counter-charge may even now be forming which will deliver the final blow for our side."

Your vote on November 4 and others you help to deliver, can be a part of that counter charge. Let's strike that blow for the things we believe in. Let's keep the most important date of the year at the polling booth on November 4.





## The American Buckle Company

THIS article is another eye-opener in *Connecticut Industry's* continuing series of stories about the endless variety of ingenious and useful products made in Connecticut.

THE orations of Cicero would probably have been more colorful and definitely more comfortable if that venerable Roman had been able to fasten his toga with one of the ingenious devices of the American Buckle Company of West Haven. That's stretching a point a little, but certainly the great speaker would have been happy to be able to use for gestures the hand with which he decently clutched his flowing robe.

The problem of keeping clothes neatly and securely in place has been a basic concern of man ever since he forsook tailoring his attire with a sharp stone. For the past century and some, 109 years to be exact, the American Buckle Company has been turning out devices of all sizes for the purpose of keeping clothes and fabrics together under many different circumstances.

Long a leader in the field of finding new and more satisfactory methods of making buckles, the West Haven firm still looms as one of the most important producers of fasteners for many fabrics and diversified types of fastening needs.

Ever since its founding by George R. Kelsey in Cromwell, Connecticut, in 1843, then known as Middletown's Upper Houses, the company has made a habit of introducing innovations in production methods and processes.

It was Kelsey who laid the groundwork for the first known automatic buckle assembler, some 40 years after he had started in the buckle business. And it was Robert J. Hodge, now president of the company, who made workable the process of joining the ends of shaped buckles by welding, a little

THE PLANT of the American Buckle Company at West Haven.





less than 40 years after Kelsey's invention had led the way toward more efficient production.

But the road to its present stable and recognized position of leadership was not an easy one for the American Buckle Company, even with men of the imaginative and ingenious nature of Kelsey and his successors. The company has so far survived four wars, three reorganizations and a nearly disastrous fire as well as the normal hazards of business recessions and risks.

In 1854, Kelsey had found the business to be promising, but realized that he would need more capital to make it a lasting industry. In that year, he sold stock and added Articles of Association, in which he and 14 others formed the joint stock corporation named the American Buckle Company, with a total of invested capital of \$20,000.

The next year the young corporation moved its operations to Middletown in a building erected shortly before by the Middletown Power Company. A journalist of the day wrote, after paying a visit to the plant, "The buckles manufactured by this establishment are used for vests, pantaloons, cravats, and suspenders—and are of new and beautiful patterns, from the cheap varnished ones to those that are tinned, silvered and gilded. So excellent are they, that orders flow in faster than they can be readily filled, notwithstanding the tightness of the times."

This prosperity came to a sudden end on January 5, 1856, when the plant was completely destroyed by fire. The ambitious Kelsey then put the American Buckle Company on the shelf for a while and associated himself with both the Waterbury Buckle Company and the West Haven Buckle Company.

About 1880 Kelsey was stricken with a serious illness. Although physically invalided, he had been busy developing the idea of making a machine which would automatically feed parts and assemble buckles. When, in 1885, he decided that his brain child was in a workable stage, he reorganized the American Buckle Company, adding to it a cartridge making department. The new company, with capital assets of \$35,000, was named the American Buckle and Cartridge Company. West Haven was chosen as the site of the new company, and the townspeople were profuse in their well-wishes toward Kelsey who had

been long established as a colorful and beloved figure in local commerce. Along with his sons, Israel A. and Horatio G. Kelsey, he erected a sturdy brick factory on the horse-car line in which the Kelsey family was then interested.

The adoption of the automatic assembling machine designed by the elder Kelsey speeded production incredibly. In 1889, the board of directors decided that it was more lucrative than the production of a sideline of cartridges, and voted to sell its equipment and existing stock to the Win-

explored field. He found conflicting views about the practicability of using the process in buckle manufacturing, but received enough encouragement to try. He managed, after some experimentation, to set up a welding machine which produced a good end result, but when the machine had been set up for a few months, they were found to be wearing out at an agonizingly fast pace.

Hodge, no man to wait for someone else to discover an answer, set to work with the best mechanics of the shop to build a better welding machine, which they did, only to discover that



HUBERT C. HODGE, secretary, left, and his father, Robert J. Hodge, president of the firm.

chester Repeating Arms Company of New Haven. That decision marked a turning point in the history of the company, which soon became one of the Town's industrial mainstays.

Robert J. Hodge entered the Company in 1917 along with Jessup Salisbury. Hodge was made general manager and assistant treasurer and Salisbury secretary.

#### A Production Kink Unraveled

At this time the bottleneck in production was the joining of the ends of wire which had been shaped into buckles. This was accomplished at the time by about 50 women who, by means of manually fed foot presses, rolled a strip of metal around the joint.

Hodge investigated the possibility of fastening the wire ends by means of electric welding, then a relatively un-

they had infringed on the patents of the company from which he had acquired the original welders. Finally the welding machine concern agreed not to cause any trouble as long as Hodge agreed not to produce the machine for sale and if the developments incorporated in the Hodge designed machine would become the property of the welding machine manufacturers. A feature of the Hodge designed welding outfit was the use of copper and silver as surfacing instead of the former practice of using two copper contacts, which had resulted in quick pitting and frequent changes requiring production-slicing shutdowns.

This new advance in mass production technique, which enabled one machine to turn out anywhere from 80 to 120 buckles per minute, gave the American Buckle Company a shot in





**OPERATOR** at stamping and assembling press for firm grip, adjusting slide, used on a bib overall.

the arm that renewed the vigor of the concern and sent it to the fore in the field of fastener manufacture.

### Production Capacity

Now after many expansions and further modernizations, the company has a total annual production capacity of roughly 20,000,000 pieces of work. Included in this total are some 300,000 gross of buckles, loops, slides, and slide loops. This represents about 40 per cent of the United States requirement for adjusting slides for overalls. An interesting side comment is that the company has found it necessary to figure its production and prices in "double gross," since each set of overalls requires a pair of adjusters.

Other major products turned out on a large scale by the American Buckle Company include shower curtain rings, drapery hooks, miscellaneous trimmings for work clothes, "D" rings used in the making of parachute harnesses and athletic equipment fastenings, flare pull rings, to mention a representative sampling of the variety of wire products which are sold all over this country and the world.

Running down the list of the materials used in large proportions by the company, the average yearly consump-

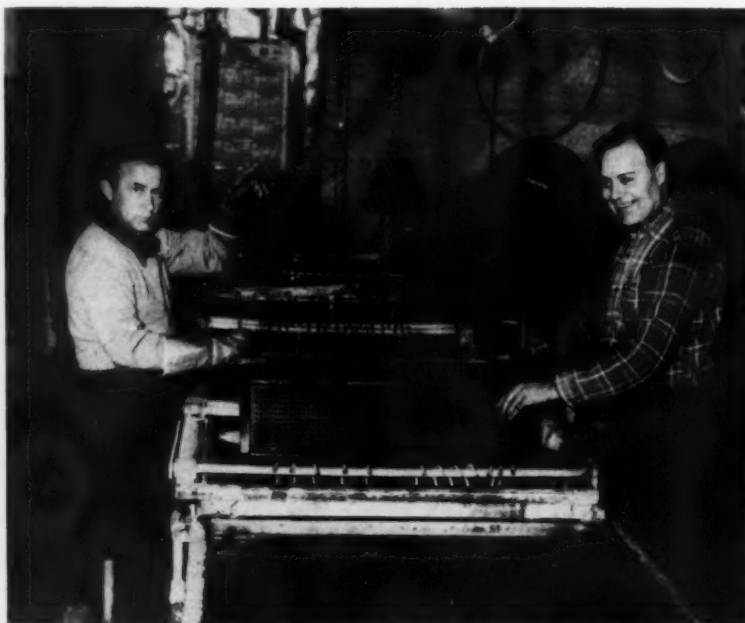
tion of material has soared to 300 tons of basic steel wire, 100 tons of cold rolled strip steel, 20 tons of brass wire, and four tons of non-ferrous anodes.

The company is completely equipped to handle production from the time the raw wire is placed on the feeding reels until the buckles and other hardware, plated, shaped, polished, and packaged in lots averaging 100 gross, are shipped to manufacturers' agents and, to some extent, directly to markets in New York and throughout New England.

Its record of unbelievable ability to fill orders with unusual dispatch is a point upon which the company prides itself, and justly so. The filling of a sizable order for any standard product on the same day that the order is received is considered a routine accomplishment. So normal is the prompt filling of orders, in fact, that even without any special priority rating during the past war, the greatest delay in delivery in the period from 1940 until 1946 was a short 10-day tardiness. Included in this record is the American Buckle Company's feat of producing 17,000,000 back strap buckles for the Russian government in a brief 11-week span. The Russians, however, waited another two months before they accepted the shipment. What the Russians ever did with 17,000,000 buckles, is still a source of amused dispute among company employees.

The labor relations problem is non-existent as attested by the fact that more than half of the employees of

*(Continued on page 38)*



**VIEW** of press plating unit showing bakelite plating cylinder.



**H**AMILTON STANDARD DIVISION of United Aircraft Corporation is settling down to full-scale manufacturing operations in its new plant at Windsor Locks, Conn., after completing one of the largest industrial moves in history. In the period from May through July, the division moved more than 4,000 machines, typewriters, desks, chairs and other equipment from its cramped East Hartford quarters into the 880,000 square foot plant at Bradley Field. The Roger Sherman and Hartford Despatch organizations made more than 1,500 trips between the two plants in the course of the operation.

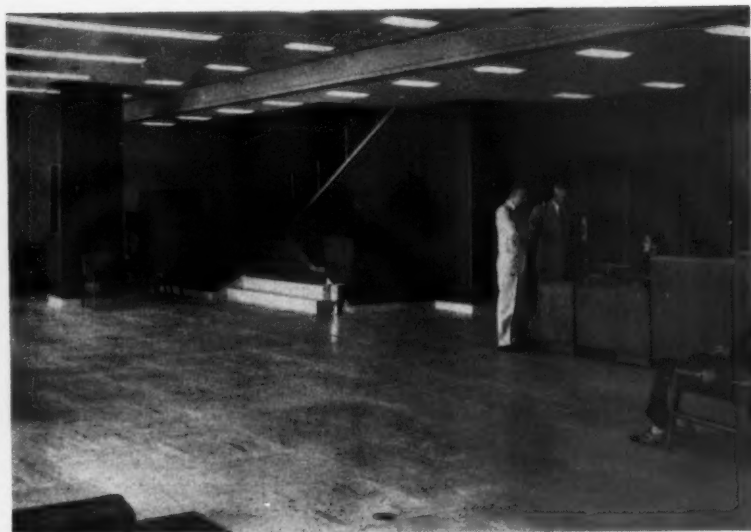
Located a scant half-mile south of Bradley Field's new terminal building, the new plant covers 14 of the 250 acres purchased from the state of Connecticut and private owners early in 1951. Completely modern in design, it is considered one of the finest manufacturing buildings in New England.

Hamilton Standard had occupied its old quarters at East Hartford since 1939. Although many additions to the old plant were made, the urgency of further expansion requirements arising out of the Korean conflict and increased commercial demand made the new plant a necessity. The decision to locate in Windsor Locks was influenced largely by the proximity of a major airport, ease of truck and railroad access to the plant, and the advantages of an uncrowded site capable of further expansion if needed.



**AERIAL VIEW** of the new Hamilton Standard plant at Bradley Field.

## Hamilton Standard's New Home At Windsor Locks



**THE MAIN LOBBY** is spacious, well lighted and attractively decorated.



**A SECTION** of the office at the new Hamilton plant.





THE EMPLOYEE cafeteria seats over 650 employees at one time.



THE KITCHEN of the cafeteria is equipped with automatic equipment of the latest type.



THE MODERN men's locker room.

Manufacturing operations are carried out in an area 1,000 by 500 feet and the offices are located in a two story building 760 feet long and 80 feet wide. Partitions and dividing walls are virtually non-existent throughout the shop and office units, making for more efficient layout of machines and office equipment. Wherever possible, office units requiring close liaison with shop departments are located near the department involved.

Following modern principles of industrial construction, the floors in the manufacturing area include a six-inch layer of reinforced concrete covered with four inches of "weak cement" fill, over which wood blocks two inches thick are laid. The "weak cement" permits easy changes in or additions to utility lines under the floor, while wood blocks are "easier on the feet" and easier to maintain.

The roof, of steel sheet covered with five layers of tar paper and gravel, is supported by steel girders spaced forty feet apart to give maximum support with minimum machine interference. The girders are aligned in alternate directions to make the plant less susceptible to shocks.

Exteriors of the factory walls are of cement from ground level to the windows. Extending from the windows to the roof-line is a sixteen foot strip covered with a three-ply siding of zinc-coated steel, insulation and aluminum facing to give good insulation, long service life and minimum maintenance.

Separate areas are established along the south wall of the plant for receiving, shipping and maintenance. The area is reached by a heavy-duty road for trucks, and an 11,000 foot extension of the Suffield branch of the New York, New Haven and Hartford Railroad built especially for the new plant. Arrangements have been made for individual reception of nitrogene, propane, gasoline and oils of various descriptions. An ingenious arrangement for adjusting the loading height of the platforms in the receiving and shipping area permits the simultaneous loading or unloading of seven trucks of different heights.

Air in the factory and offices is kept pure and clean by a forced ventilation system whose dust collection equipment washes, filters and recirculates the air. Separate exhaust systems for fumes and heat are included.

In the office areas an electrical floor duct is "built-in" for electric type-

(Continued on page 18)





A VIEW of the Vocatron plant and warehouse.  
(Right) The company's research laboratory is located at Waldoboro, Maine.



## THE STORY OF

# Vocatron

A FASCINATING story of the solution of a problem in Maine in 1947 which was turned into production for profit within two years in Connecticut.

**V**OCATRON, the revolutionary portable "wire-less" intercommunication system for business and home use made by the Vocaline Company of America, Inc., in Old Saybrook, Connecticut, is an outstanding example of the truth of the adage that "necessity is the mother of invention."

### The Problem

It was in a large coastal shipyard in Maine during the years 1946-1947 that the necessity arose. The inventor who took advantage of the opportunity was John R. Cooney of Waldoboro, the Chief Electrical Engineer of the shipyard, who, today, is Chief Research Engineer of the Vocaline Company of America, Inc.

The shipyard occupied six acres and used huge movable shipbuilding equipment such as cranes, derricks and trucks. It was apparent that the customary overhead wiring system of communication within the yard would be impossible to use. Some method of intercommunication had to be rigged which would avoid destruction by the heavy equipment and which would be as portable as a lunch basket.

John Cooney was well equipped to solve the problem. A graduate of Phillips Exeter Academy and Yale University, where he majored in physics and mathematics and also found time to be a water-pole star, he had done post-graduate work in the same subjects at Massachusetts Institute of Technology. Later he did considerable

radar research work for the United States Signal Corps and experimented extensively in the field of noise reduction.

### The Solution

Vocatron was born when John Cooney applied his research experience to the shipyard's problem. His solution was a portable, "wire-less" squawk-box which utilized the shipyard's existing power lines as the message carrier and was as simple to install as an electric drill or a trouble lamp. As long as there was an electrical outlet, intercommunication was assured all over the shipyard. After leaving the shipyard, John Cooney custom-built and sold a few units in his home town, Waldoboro, and then became more interested in other development ideas.

### New Fields Explored

At this point Carroll T. Cooney, Jr., who had been manager of the Waldoboro shipyard, saw that this revolutionary device had a promising future filling the growing need for a sample, inexpensive, portable intercom for home and business use. He obtained from his brother the rights to manufacture and sell the new intercom system.





PRINCIPALS IN THE DEVELOPMENT of Vocatron are (left to right) James S. Cooney, assistant to the president, Bristol Motor Company; Carroll T. Cooney, Jr., President, Vocaline Company and Bristol Motor Company; Lester M. Strong, vice president, Vocaline Company; and Frederic W. Irwin, treasurer, Vocaline Company and Bristol Motor Company.

For Carroll Cooney there followed a discouraging year of travelling around Connecticut, field-testing, seeking manufacturers who liked the idea, and getting customer reactions. Even though he ran out of money before he could get any real production started, Carroll Cooney did not lose faith in Vocatron's huge potential for use in business and even in the home. For he realized that Vocatron overcame a major drawback in other intercom methods—by eliminating interconnecting wires.

His first major break came when he interested Frederick W. Irwin of Old Lyme, Conn., a Captain in the U. S. A. F. Reserves, to the extent of parting with some hard-earned savings. The result was the incorporation of the Vocaline Company of America, Inc. in Old Saybrook, Conn. on January 15, 1950. Capital stock (all common) totaled \$50,000. The first order for the construction of 300 Vocatron units was placed with a Hartford manufacturer with delivery made in March, 1950. (This first model has long been replaced by greatly improved models.) Financing the order, together with the expenses of setting up an office, almost exhausted the company's meager capital.

Cooney and Irwin sold these first Vocatrons themselves, to dealers and end-users, thereby avoiding the distributor discounts which they could not then afford.

a Boston advertising agency and account executive on the Vocaline Company of America account, obtained some timely and vitally-needed publicity after which inquiries by the hundreds came in from all over the country. All 300 units were sold by mid-April and this success inspired the purchase of stock by Mr. Strong and others.

Another production order, this time for 1,000 units, was placed with the manufacturer and these began to come off the assembly line in August, 1950. Irwin was recalled to active duty in the Air Force in October so Carroll Cooney had to carry on alone.

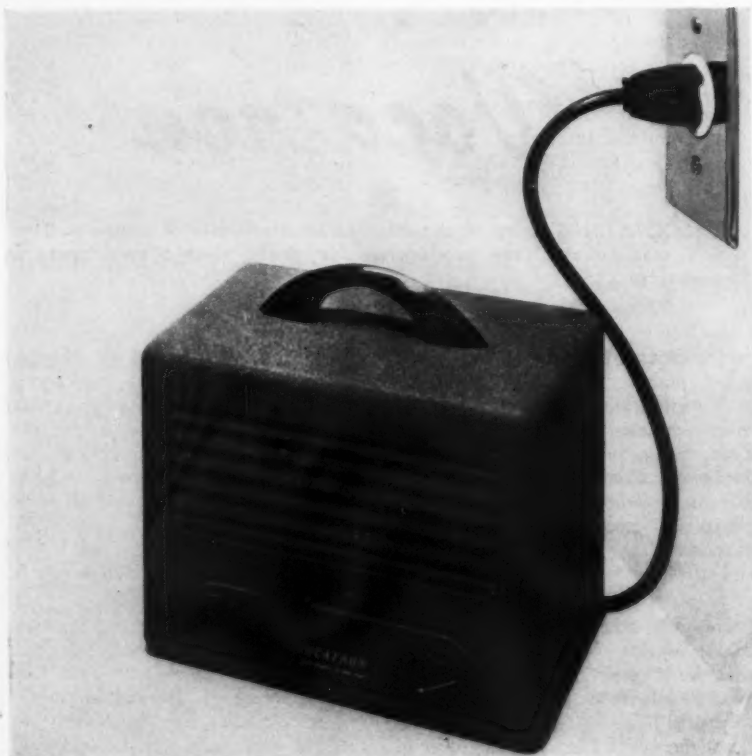
Retail outlets at the time consisted of relatively few top specialty stores in a few major cities, but a one-shot advertisement, coupled with more publicity, sold all 1,000 units by Christmas.

Then, in January 1951, Carroll Cooney took stock of the situation. Despite a net operating loss of \$13,000, the company's future looked encouraging due to sales amounting to \$30,000 and a vastly improved model with

#### Shoestring Capital, Publicity and Courage

Lester M. Strong, vice-president of

(Continued on page 64)



VOCATRON Model CC-25 Long Range Special is designed to perform under the more difficult line conditions. It has greatly increased sensitivity for communication over loaded or isolated circuits and over unusually long distances between stations.



# THE VALUE OF THE PERIODIC HEALTH EXAMINATION

By J. HOWARD JOHNSTON, M.D., *Director, Bureau of Industrial Hygiene,*  
Connecticut State Department of Health

**P**ERIODIC health examinations are routinely performed in many large industrial plants. This is as it should be, for a healthy industrial population is invaluable to the preservation of our economic standard and the maintenance of the unparalleled productive capacity of the United States for civilian and military consumption. Large corporations have recognized the importance of a well-integrated medical program and have found it economically sound in today's competitive market. Unfortunately, small industries, which employ by far the greater number of people, do not all carry on such programs.

A periodic examination is part of a medical program which is initiated by a preplacement examination. The preplacement examination should be a selective one which assures the compatibility of the worker and his job and not one of limited medical investigation determining only obvious medical defects. Mental or physical difficulties discovered during the preplacement examination are investigated and discussed and remedial defects are referred to the family physician for correction. This high standard of health and safe placement is maintained by the periodic recheck and the associated program of occupational disease prevention carried on in the medical and safety departments.

The examining physician should have an intimate knowledge of the processes and procedures in the operation of the plant for a constructive program in the prevention of occupational disease. He should be aware of all changes in methods, techniques and chemical compounds so that he may perform an intelligent examination in regard to the hazards associated with the man's working environment. Beyond this, he should be acutely aware of the importance of psychological and social factors in the development of medical disorders. The complexities of



J. HOWARD JOHNSTON, M.D.

modern life and the continuous struggle of man for security, associated with his dependence on large corporations may develop or contribute to a feeling of anxiety and insecurity which often finds expression as vague medical complaints. As companies and corporations grow and develop, falter or regress, or maintain a status quo, so may the individual. A periodic reappraisal of individuals, their mental and physical capabilities, and job capacity is essential in this rapidly changing world.

It should be understood that the findings of the routine physical examination should be integrated with the recommendation of the employee's personal physician for control of these conditions. One cannot review the work history alone without considering the home activities if complete evaluation is to be obtained. The industrial physician, of course, refers any non-occupational disease that he may discover in his routine examination to the private physician. As one can readily appreciate, early discovery among large segments of working people of such diseases as tuberculosis, diabetes, syphilis, and defects that may be correctable can have tremendous impact on public health. Further, to develop a healthy

industrial population, education in simple medical principles and concepts of disease will go far to promote better health and dispel superstition and ignorant beliefs. With an aging population, the early detection of chronic degenerative disease found in the older worker will preserve the employee's physical capacity so that his skills and experience can be retained for industry despite advanced age or handicaps.

There are numerous specific reasons why periodic physical examinations are done. These might include:

1. Exposure to dust, fumes, mists, gases and vapors of metals and solvents.
2. Physical factors in occupational environment such as noise, radiation and heat.
3. Special follow-up after selective placement of medically handicapped due to:
  - a. Diseases of the cardiovascular system.
  - b. Diseases of the pulmonary system.
  - c. Orthopedic disabilities.
  - d. Diabetes, epilepsy and other specific diseases.
4. For safety: Crane operator, etc.—motor equipment.
5. Food handler.
6. Following return to work after illness.
7. Executive.
8. Aging population.

GROUP 1. Occupational disease is now compensable under the statutes of the majority of the states. Although the industrial environment is investigated for concentrations over the maximum allowable concentration of toxic materials, it behooves the industrial physician in his periodic examination to investigate thoroughly those men engaged in occupations where there is a potentially toxic hazard. Reliance should not be placed on engineering control alone. The reason for this is twofold. The establishment of many



of the maximum allowable concentrations of dusts, fumes, gases and mists is a relatively recent development and is subject to revision from time to time as new information is correlated with existing facts. Further, there is the possibility of individual susceptibility and idiosyncrasy to toxic materials. One employee may react violently to small amounts of a compound which has given little or no trouble to other workers in the same area.

In dusty trades, examination of the respiratory tract for sign of irritation constitutes one of the main systems to be investigated in periodic examination. Exposure to dust containing an appreciable percentage of free silica is particularly hazardous. The severity of the hazard increases with the percentage free of silica contained in the airborne dust and with the percentage of silica particles which are of a sufficient small size to permit penetration of the finer branches of the respiratory tree (3 micra or less in diameter). It is therefore, necessary that the free silica content of dust be determined in order that the hazard be accurately evaluated. Where silica is involved, routine chest x-ray examination is mandatory as a safeguard against changes in the lung fields. During this periodic recheck, the value of protective equipment such as respirators should be reemphasized to the worker and the worker be made to thoroughly understand the reason for wearing protective equipment.

Beryllium and asbestos are other toxic materials which may produce changes in the lungs, and physical examination without chest x-ray may give little indication of pathological change. Beryllium is excreted in the urine and should be sought through urinary analysis to prevent atmospheric concentrations which will produce excessive absorption.

Still other materials that may affect the respiratory tract are acid and alkaline mists, nitrous fumes, formaldehyde, sulfur dioxide and ammonia. Some fumes, gases and vapors, although they produce no effect on the lungs, will be absorbed through the respiratory tract and give rise to pathology in other parts of the body. Lead fumes, lead dust, mercury vapor, manganese fumes, and the vapors of benzene and its analogues, and the chlorinated hydrocarbons are examples of these. Where a potential lead hazard exists, periodic check should include examination of blood cells, gastro-intestinal tract, and central and peripheral nerv-

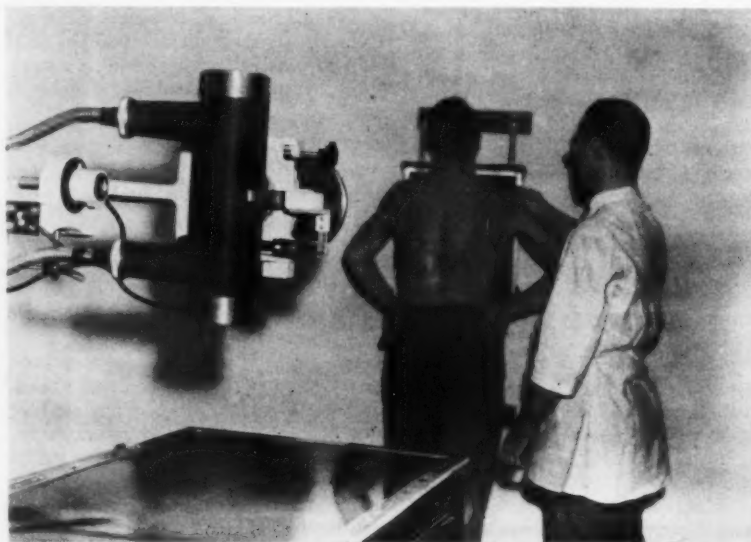


SIGHT SCREENING

ous system. Concentration of lead in the blood and urine should also be determined. With exposure to such things as mercury, manganese and carbon disulfide, effects on the central nervous system should be searched for. Solvent vapors from benzene and its analogues and the chlorinated hydrocarbons vary considerably in their toxicity. Benzene in sufficient concentrations will affect the bone marrow.

Routine blood count, as well as organic, inorganic urinary sulfate levels, serve to prevent such an occurrence. Carbon tetrachloride is one of the more toxic chlorinated hydrocarbons, and kidney or liver pathology may be expected if adequate precautions are not taken and periodic checks are not performed.

*(Continued on page 18)*



PERIODIC X-RAY EXAMINATION



# The Rights and Obligations of Employees

By ROBERT H. MURPHY, *Vice President and Factory Manager,  
The Wiremold Company, Hartford, Connecticut*

IN THIS period of labor management controversy it is usually easy to get union leaders to present their side of the story as public appearances are considered an essential part of their jobs. On the other hand, it is often difficult to find a management official who can spare the time or feels qualified to present management's side of the story. *Connecticut Industry* presents the remarks of Mr. Murphy before the Economics Class of William Hall High School, West Hartford, as a good example of a management presentation that states facts that are impressive to listeners without stirring up undesirable vocal rebuttal by the union leader.

MR. ATKYNS, students of Hall High, Mr. Cocheo—  
I know a lot of you would expect me to address Mr. Cocheo as "my worthy opponent." However, I don't feel that way; I would rather address him as my complementary member—meaning by that that I and the group I represent would be but an empty shell without the existence . . . and even the enthusiastic support . . . of his group, while he and the group he represents would have little to look forward to without the group that I represent. Individually we amount to nothing; together we hope to serve the interests of the general public in such a way that the public rewards us in direct proportion to the service we together provide.

Your history books and some of your older books on economics, as well as some of the present-day political speeches, colored as they are by the heat of the impending battle, would have you believe that management and labor have interests diametrically opposed—that one cannot gain except at the expense of the other. There was a time when this sort of thing was true—at least in certain places and to some degree: the robber barons of Europe prospered only by pillage and slavery; the old steel masters of Pittsburgh around the turn of the century had but two guiding principles—"keep your tonnage up and your wages down"; some of the big railroads at one time operated on the principle of "The public be damned!"



ROBERT H. MURPHY

Because of some of the things that happened in the past and because it is only human to classify and catalog to the extent of simplifying and then over-simplifying any situation, it is quite common even now to think in terms of a great contest, with management on one side and labor on the other, and the great placid public quietly watching the battle of the titans from a safe vantage point. This stems from almost ancient history, when there was a relationship between the two of "master" on one side and "servant" on the other. Any attempt of the employees to band together for their

own betterment was immediately branded as a criminal action for conspiracy and put down in rather brutal fashion.

These abuses by industry—or at least part of industry—went entirely too far and were partially stopped by a natural reaction . . . and legally stopped by, first, the Wagner Act and then the Taft-Hartley Law, in which the rights of labor were carefully spelled out and established as the law of the land.

Workmen's compensation laws again have spelled out what every right-thinking manager knows should be done in cases of industrial injury. Under the old common law, it was necessary for a worker to show negligence on the part of the management before he could collect for an accident. Even then, the common-law doctrine of assumption of risk was applied. This is the idea that a man was well paid at his work because he took a foreseen risk inherent in the job and that, therefore, his injury was something that he was being paid for all along; and, following this doctrine, many just claims were rejected. With present compensation laws, however, it is no longer necessary to show negligence on the part of management but only that the injury occurred in connection with the employee's work. That, again, is not only the law of the land; it is quite a proper thing, as any right-thinking person will agree.

Under these laws there are a few things that any management is bound to respect concerning the rights of employees, whether it thinks of the employees' interests as opposed to its own or not. But there is a much deeper law—a moral law which is spelled out in each religion and is also spelled out in the Federal Constitution and in the Constitution of each State. This law, among other things, says that each citizen shall not be denied the right of life, liberty, and the pursuit of happi-

(Continued on page 34)



# The Nonsense of Karl Marx

An Editorial from the American Economic Foundation

## I

ONE of the most amazing facts of the 20th Century is the degree of acceptance achieved by the ideas of Karl Marx.

Neither the man nor his work were worth the paper and ink which he used up during his scribbling lifetime.

The very nature of the man seems to make certain nothing good could come from his mind.

Karl Marx was a self-dramatizing, self-pitying, double-crossing, egomaniac, described by his disgusted and discouraged father as "giving himself up to suffering at the smallest sign of trouble, displaying a bleeding heart at every sorrow, weak, self-indulgent, and conceited."

Marx was a bald-faced liar, both in speech and in print, an atheistic, anti-social, maladjusted, intellectual free wheeler.

He was a loafer and a cheat—he did not have the capacity to secure his Doctor's degree from a first-rate university; so he got one from a mail order diploma mill.

Throughout his life he sponged off his family, relatives, friends, and followers.

## II

What is this thought pattern created by this embittered misfit that has such a hold on the 20th Century mind?

Actually, it is very simple, and it is strictly nonsense.

The thought pattern that follows is called *Marxian dialectics*, but don't let that frighten you; it is very easy to understand.

1. The behavior of any civilization, that is, the actions of the people in their relations with each other, is controlled (by an iron law) by the type and quantity of the tools of production in the society. History, therefore, is nothing but a story of what new types of tools have forced society to do.

2. The ruling classes are bound to be the owners of the tools of production, who because they control employ-

ment, have the power to make the laws that control all of the people.

3. Nonownership of the tools which they use forces the employees into a life and death struggle with the owners because no world is big enough to hold both classes for any length of time.

4. Morality, religion, ethics, etc., are nothing more than the temporary customs and habits that best fit man's economic relations at any given time: *there are no permanent principles of morality and government.*

5. Specifically (following step 4), commandments such as that people should not kill, steal, lie, cover, or bear false witness, are temporary needs peculiar to the private property system.

6. Since every era of technological progress outgrows and, through new progress, destroys itself, any particular era will be consumed by the era that grows out of it.

7. This moment of self-destruction is the moment for the employees to rise up and make certain that the destruction is complete: if they fail to do this, they themselves will be destroyed.

8. With the employees as the ruling class, all will be sweetness and light, and morality and government authority now required by the private property system will wither away.

9. In this perfect propertyless system, the period of history preceding the revolution would be known as the "last stages of barbarism."

## III

It is interesting to note the "Iron Law" which Marx "discovered" and upon which he based his dialectics (a big word for logic):

1. All value is measured in work hours.

2. Wages are paid-for work hours.

3. Profit is unpaid-for work hours.

4. Better tools add no value to production.

5. Better tools mean fewer workers and fewer work hours.

6. Better tools, therefore, mean that more work hours must be stolen

from employees in order to maintain the same profit.

7. This process must continue inexorably, thus reducing the employee to an increasing state of misery.

8. The desperation of the increasing number of unemployed and the increasingly exploited employees will inevitably cause them to rise up and destroy the system of private ownership.

This, then, is the Iron Law upon which Marx based everything he wrote and said.

It is all the more amazing because anyone who would take the trouble to read his work would find that he admits that he never did any research in this matter; he never even walked across the hall of the London Library to the next room where all of the economic transactions of the British Empire were on record.

He admitted in his private letters to his co-worker Engel that, "It is well that our followers do not know how little we know of what we are doing."

By his own statement he arrived at this Iron Law, not by research, but by the "force of abstraction."

In other words, all of his work was done in a vacuum and totally unrelated to economic reality.

It is not surprising, therefore, that during his lifetime he received very little credit for his work, *particularly because he lived for 30 years after having discovered his Iron Law and everything that happened during that period of history made a liar out of him.*

But what Marx *did* leave which was of tangible value to demagogues and power-hungry politicians is hundreds of thousands of words of masterful vituperation against the private property system.

His work has been useful, therefore, to every crooked politician who desired to inflame the employee against the employer and garner enough votes to get elected.

*The mystery of the 20th Century is how this intellectual rubbish came to be elevated into a respectable school of thought.*



# The *Answer* to a Man's Dreams

By FRANK NICHOLSON, C. Cowles & Co.

THE brief and sincere talk given by Mr. Nicholson, an employee for 63 years at C. Cowles & Company, New Haven, at an "old timers' dinner" given in New Haven on May 21, 1952, was so full of homely wisdom, that *Connecticut Industry* brings it to the attention of its readers that they may contrast its value with the latest ideas of feather-bedding and thus dispel the fog that often hides some everlasting truths.

WHEN I look around the room tonight and see the many old timers who represent New Haven industry, I feel great satisfaction and pride to be one of them.

The sixty-three years that I have been steadily employed at C. Cowles & Company may seem, in some ways, like a very long time but time is a relative thing, and whether the years seem to have passed like rockets in the sky, or like snails on the sand, depends pretty much on how a person has enjoyed them. You younger men who have been paying us these special honors are generous. You refer to our devotion to, and our pride in, our work; you praise the loyalty and steadfastness which makes us today the senior employees in our various companies. For all these kind words we are sincerely grateful. But most of us, I think, are willing to admit that good fortune has had a hand in the deal also. For we have been blessed with strong enough bodies and adequate health to carry on into 1952, and what is more, to look forward enthusiastically to many more years ahead, God willing. The thing for which I am chiefly thankful is that I can look back at all the years behind me—82 in number—and feel that I have indulged myself much of the way. There has been a lot of hard work, but the years have been rich, and interesting, and pleasant, and there have been good times and good friends. I feel, in other words, that life has treated me very well, and it is my conviction that many other men here tonight feel the same way.

I know I speak for every other veteran here tonight when I say that New Haven's Open House at the Armory, being held this week, is a thrilling event that holds special interest for us veterans who have been in the town's industry so long. It will be a valuable

education for many of the men and women and children who go to see it during the week; but for us old-timers it is a special satisfaction to know that so many of the exhibitors at this Open House are industrial concerns which started humbly before we were born or during our childhoods, and have grown to their present size and strength while we are still a part of New Haven's working force. A few weeks ago when another local organization held a dinner for all the old-timers in industry—a Senior Service Banquet it was called—there were gathered together for the dinner over 300 men and women who had worked for local concerns for more than 35 years. One of my colleagues at the dinner that night turned to the man beside him during the evening and made this remark: "Just think of all the things that have been produced by all the people who are being honored in this hall tonight. That is what has made this country rich."

These words hit me with force. I realized then, that no student of economics, or expert on business and industry, could have put in a clearer way the whole core of the matter. That is the reason why the Open House at the Armory can mean so much more to the old timers. Younger persons can admire the variety of products on display at the Armory and learn many valuable things about local industry; but for us veterans, it will serve as a look back into the past, when some of the products now on display were still only ideas in the minds of hard-working men. And as we see the growth of these different companies as it will be demonstrated in their exhibit booths, we shall also have some long, long thoughts about *then* and *now* and what the passing years have meant in better working conditions and greater oppor-

tunities for the men and women in industry. We read about and hear about the different "isms" of the modern world which try their appeals on the young people. Some of their words are eloquent and some of their promises tremendous, but we who can see the past and the present, know full well that none of the crack-pot philosophies that are loose in the modern world can even begin to do what plain honest work has done over a period of 30 and 40 and more years.

When I started my present job on a June morning back in 1889, it was a very simple matter, as any of my contemporaries here tonight will agree. If I were to try now to go through the business of being hired again according to 1952 methods, I fear I should get lost somewhere in the forest. Today, we have, first of all, pre-employment interviews, then pre-employment examinations, sometimes pre-employment testing—all for the wise purpose of seeing that the right man is placed on the right job. And what else have the years brought with them? Group life insurance and sickness and accident insurance to protect the man and his family in time of calamity, hospital and surgical insurance to soften some of the shocks of everyday living, paid holidays all during the year, paid vacations, bonus plans, unemployment compensation insurance to ease the blow of lay-off, workmen's compensation insurance to support a man at the time of accident. Accident prevention programs in industry have furnished guards on dangerous machinery as well as other protective equipment, so that lost-time injuries are fast becoming the exception rather than the rule, and so that almost banished, now, from the memories of us old-timers is that era of our industrial history when almost daily, it seemed, some worker in some part of the town lost an eye, or a finger, or suffered some other casualty to life and limb. Then there are pension programs, so that no matter what the trials of life may have been, a man can look forward to the day when, no longer part of the working force, he will still retain his independence.



These are just some of the more important products of the years gone by. The formula was simple—and it can never be any different. Employers working hard, employees working hard with freedom to shape their own plans. We old-timers have seen it. May the younger men and women, who will, we hope, be old-timers like us in the year 1982 or thereabouts, know the simple truth that can be said only one way—"It's the work that is done, and the way that it is done, day after day and year after year, that gives the answer to any man's dreams."

### **Hamilton Standard's New Home at Windsor Locks**

*(Continued from page 10)*

writers, adding machines, etc., and a separate duct grid has been installed for telephones. This increases flexibility and permits the easy revision of equipment and telephone connections when necessary.

The cafeteria is an outstanding example of the emphasis placed on employee facilities and services. Decorated in deep green tile, the cafeteria seats over 650 employees at a time and is equipped with the latest in cooking facilities, two separate hot meal counters and a snack bar. Virtually all equipment is of stainless steel and dishwashing equipment is of the latest automatic type.

The plant also includes a small hospital, completely equipped with X-ray, diathermy and whirl bath facilities and staffed by competent doctors, nurses and technicians. Music is played over 550 speakers in the plant and offices for 15 minutes of each hour and special announcements can be made over a public address system.

One of the largest Credit Unions in New England, located at the plant, provides convenient banking facilities. Over 1,900 cars can be parked in the factory parking lot and over 580 spaces are available for office employees in separate lots.

In the interests of employee protection during an uncertain atomic age, the cafeteria, employee locker rooms, plant fire and protection headquarters,

transformer vaults and washrooms are located along a 1,000-foot entrance corridor under the plant. The underground area, covered by an exceptionally heavy and well-braced ceiling, will accommodate 6,000 persons in emergencies.

At the present time bulldozers and grading equipment are busily at work on a thirty-acre recreation area to the east of the plant, which will include facilities for baseball, softball, tennis, handball and other sports.

Pleasant over-all lighting, ranging as high as 65 foot-candles, is made available throughout the plant and offices by continuous rows of fluorescent lights seven to ten feet apart, depending on lighting requirements of particular plant areas.

Natural resources of the area will be protected by a special plant for the processing of industrial waste. The plant will have a capacity of 300 gallons a minute.

Still under construction are the division's test facilities, scheduled for completion early next year, and a 2,500-foot taxi strip from Bradley Field to the northwest corner of the plant. The latter will assist the division's many airborne commercial, Air Force and Navy visitors in bringing their aircraft directly to the plant.

In building the plant to the specifications of Albert Kahn Associates, architects of Detroit, the Turner Construction Company of Boston used approximately 8,329 tons of steel, approximately 45,000 cubic yards of concrete, approximately 4,500,000 wooden floor blocks, close to 600 miles of electrical wiring, 71,585 pounds of aluminum siding, moved more than 600,000 cubic yards of excavation and fill, used 3,383 steel sash, 1,340,000 bricks, 294,393 glazed hollow tile, 7,165 fluorescent lighting fixtures, 58 different types of construction equipment, 5,620 linear feet of metal office partitions and employed up to 1,120 workmen involving 21 different trades and a total of 3,211,200 man-hours.

The resulting structure is a handsome plant, whose almost park-like surroundings and modern layout make it one of New England's outstanding industrial establishments. Opened May 29, with United Aircraft Corporation and Navy officials presiding at brief ceremonies, it is now in full operation as a busy major cog in the nation's defense machine and a vital element in its commercial aviation.

## **The Value of the Periodic Health Examination**

*(Continued from page 14)*

GROUP 2. Physical factors in the worker's environment have been receiving increasing attention of late due to the rising number of compensation claims. Where noise is a factor, audiometric examination should be routinely performed. Similarly, the effects of radiation on the industrial worker from the industrial use of radioisotopes, x-ray and fluoroscopes should be routinely checked to prevent any adverse condition from developing.

GROUP 3. Those individuals who were hired with some physical defects should not be forgotten once the pre-placement physical examination is over. Aggravation of an existing defect is compensable. To prevent such a development, continuous reappraisal of the individual and the job specification is necessary. Actually these men, when well placed, rarely give cause for medical concern. Furthermore, their absentee and safety records compare favorably with the other workers. Men with hidden, undiscovered handicaps, however, may jeopardize their health and that of others.

GROUPS 4 AND 5. Examination of individuals having special responsibilities which may involve the safety of others. Drivers of motor equipment, crane operators, truck drivers, and others should be screened for poor vision and as is presently possible, to uncover latent coronary artery disease and other conditions that might produce medical catastrophes. Food handlers should be periodically examined for evidence of communicable disease.

The remaining groups actually involve the extension of periodic examination to all employees and therein provide the best health program possible and maintain a healthy industrial population. In these times of expanding industry a replacement for a highly skilled, trained worker lost by illness is not easily available.

The value of the periodic examination, therefore, is in maintaining health through prevention of occupational disease, through safe placement and through watchfulness for other factors that may influence health. Lowered absenteeism, lowered compensation cost and less labor turnover will result.



# ROGER SHERMAN MOVES ANOTHER COMPLETE PLANT

**L**AST fall Roger Sherman Transfer Company moved the entire plant of Reed Rolled Thread Die Co. a distance of seven miles from Worcester to Holden. Involved in this move were 170 machine tools plus stock, fixtures, bins, etc.

In order to reduce losses in production Roger Sherman used 70 men to help with the moving. Equipment included 4 Low-Bed Trailers, 2 Truck Cranes, 4 Crawler Tractors, 4 Fork Lift Trucks, and 4 Winch Trucks.

The entire plant was moved and set up in the new plant in a total of five working days.

It was because of this record that Mr. A. Bradford Reed president of the company, sent us the following letter, which we proudly present:

The four photographs below show some of the men and equipment moving the complete plant of Reed Rolled Thread Die Co.

**REED ROLLED THREAD DIE CO.**  
WORCESTER 2, MASS., U.S.A.

August 30, 1951

Roger Sherman Transfer Company  
433 & 469 Connecticut Blvd.,  
East Hartford, Connecticut.  
Attention: Mr. Romeo Gosselin  
Dear Mr. Gosselin:

I want you and Mr. Grenier, and all of your people who assisted in our move, to know how much we appreciate the service you gave us.

The job was completed far ahead of schedule. Your men worked so quietly and efficiently that it made the job seem far easier than it actually was. Accidents and breakage were far less than we had anticipated.

All in all, Roger Sherman's part in our move was completely satisfactory.

Cordially yours,

**REED ROLLED THREAD DIE CO.**  
*A. Bradford Reed*  
President

ABR/M



**ROGER SHERMAN  
TRANSFER COMPANY, INC.**  
469 Connecticut Boulevard, E. Hartford, Conn.

Telephone

HARTFORD 8-4106  
NEW HAVEN Main 4-1368

SPRINGFIELD 6-4177  
ALBANY, N. Y. 3-3101



**"THEY  
THOUGHT  
I COULDN'T  
LIVE"**



"Nearly two years ago I slipped off a roof where I was working . . . and landed on a railroad track 110 feet below.

"I was so badly smashed up nobody thought I could reach the hospital alive. Three crushed vertebrae, broken pelvis, both ankles crushed, left leg broken in two places, compound fractures of my jaw and left arm. And damage to my spinal cord which left me paralyzed from the waist down.

"Those doctors did a wonderful job. They saved my life. Later they operated and relieved much of my paralysis.

"Then they moved me to the Liberty Mutual Rehabilitation Center in Boston. Though I was one of the most serious cases they had ever seen, these people knew just what to do. I began with easy exercises. Soon I could use simple tools.

Finally I learned to walk all over again. Now I get around on these canes. I'm being taught at Joseph Bulova School of Watchmaking, and I can look forward to earning an independent living as a watchmaker or repairman."

That's the true story of a courageous young man named Paul Orva.

Rehabilitation is just one phase of Liberty Mutual's Humanics Program which brings together all activities for preventing accidents . . . for reducing disability and costs when accidents occur. Humanics combines specialized advice in Industrial Engineering and Hygiene with Claims Medical Service and Rehabilitation — all directed to reducing loss, including the cost of Workmen's Compensation Insurance.

To find out how Humanics has reduced accidents, lowered costs and improved production in plants like yours, just call or write for the booklet, "Humanics." Look in the Yellow Pages of your Telephone Directory for the nearest Liberty Mutual office, or write to 175 Berkeley Street, Boston 17, Massachusetts.



★ Better Compensation Insurance Protection at Lower Cost through HUMANICS ★





# NEWS FORUM

This department includes a digest of news and comment about Connecticut Industry of interest to management and others desiring to follow industrial news and trends.

## The Cover



THIS month's cover photo by Lambert Studio is a view of a hunter seeking game on the shores of Twin Lakes, Canaan, Connecticut.

**OLIN INDUSTRIES, INC.** has announced the formation of a new centralized Olin Industries insurance department, and the appointment of Bion H. Francis as insurance manager.

The new department will co-ordinate the insurance activities of all eight operating Olin divisions, as well as all affiliated and subsidiary companies. Headquarters of the new department will be in New Haven.

Mr. Francis was formerly insurance manager of Wellington Sears Company, New York and Boston, and West Point Manufacturing Company, West Point, Georgia. He has also been director of the Insurance Division of the American Institute for Economic Research at Cambridge, Mass., and until he resigned to accept the Olin post was secretary of the Massachusetts Insurance Buyers' Association of Boston.

★ ★ ★

**IRVING H. PECK**, president of The Star Pin Company of Shelton, is this year observing his sixtieth year in the manufacture of pins. As president of the company, he now occupies a position pioneered by his father, George H. Peck, who was founder and first president of the company in 1866.



IRVING H. PECK

Upon the death of his father in 1893, Mr. Peck left Yale with the intention of learning the pin business. There followed five years in all departments, following which he decided to branch out, and with a fellow employee, Franklin S. Slauter, he founded the Sterling Pin Company in 1898.

Being gifted with the traditional

Yankee ingenuity and craftsmanship, Mr. Peck has, since that date, been in the foreground of important developments in all phases of his industry. The Sterling Pin Company continued until 1943 when its production equipment was merged with that of The Star Pin Company, with Sterling continued as a selling brand.

Despite the demands of his expanding business, he was active in many civic affairs. He is president of The Home Trust Company of Derby, director of the Birmingham National Bank, Director of the Ansonia Water Company, Senior Warden and Treasurer of St. James Episcopal Church, Derby, president of The Recreation Camp, vice president of the Derby-Shelton Community Chest, and director, The Griffin Hospital.

★ ★ ★

**NEW DEPARTMENT DIVISION** of General Motors Corporation has an-

MANUFACTURERS OF PAPER SINCE 1850 - FOLDING BOXES SINCE 1895

**ROBERTSON · PAPER · BOX**  
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## THOMAS W. HALL COMPANY

INCORPORATED

Stamford, Connecticut



*Printing, Newspaper  
& Lithographing Machinery  
Paper Converting Equipment  
Job Presses, Gallies &  
Cabinets  
Proof Presses, Balers, Cutters*

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Gages

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Planing, Boring, Turning  
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Machines

We build Special Machinery  
and Parts

Welded Fabrications  
We will do your Stampings and  
Spot Welding

Progressive — Swedging  
Broaching — Drawing  
Short Runs — Long Runs

THE  
**SWAN TOOL & MACHINE CO.**  
30 Bartholomew Avenue  
HARTFORD 6, CONNECTICUT

RICHARD S.  
WINSHIP

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nounced a reorganization of its engineering department for the purpose of broadening activities associated with the research, engineering, development and application of instrument ball bearings.

The announcement, made by the division's general manager R. E. Waldo, stated that revision provides for a section, the personnel of which will be engaged entirely in the instrument bearing phase of the firm's business. Named to head up activities of the department's new section is Kenneth D. Mackenzie, whose title will be that of assistant chief engineer.

Mr. Mackenzie transfers from the position of assistant plant manager of the division's operations at Meriden. Graduated from Rennselaer Polytechnic Institute with a degree in mechanical engineering in 1935, Mr. Mackenzie pursued additional engineering studies during the next two years at Penn State College.

★ ★ ★

**AN ELABORATE NEW BROCHURE**, "The Story of B. Jahn Production Proved Dies" has just been issued by the B. Jahn Manufacturing Company, New Britain. The colorful booklet dramatically illustrates B. Jahn built dies being "production proved" to guarantee complete customer satisfaction.

Presses are shown "production proving" dies by running up to 50,000 parts for actual production line use, before the die is shipped. Scores of die ribbon photographs demonstrate typical problems overcome by B. Jahn's comprehensive equipment.

Of particular interest is the graphic description of the special machining and manufacturing facilities available in the large, modern plant. Copies of the brochure are available through the company.

★ ★ ★

**THE APPOINTMENT** of Russell F. Johnson as sales manager of the cosmetics division of the Plume & Atwood Manufacturing Company, Waterbury, has been announced by President Thomas I. S. Boak.

Mr. Johnson joined the company in 1946 as supervisor of payroll and cost accountant in the cosmetics division and advanced to sales office manager.

★ ★ ★

**THE RETIREMENT** of Edwin A. Harris, Southern Division manager for

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the Connecticut Light and Power Company since 1939, has been announced by the company. He will be succeeded by W. Irving Hubbell, division engineer.

The promotion of Daniel R. Forger, Greenwich District engineer, to replace Mr. Hubbell, and the advancement of Edward A. Whalen, Greenwich assistant engineer, to district engineer, were also announced.

Mr. Harris began his utility career in 1908 with the Malden, Massachusetts, Electric Company. In 1914 he went to the Montpelier and Barre Light and Power Company at Montpelier, Vermont, as assistant treasurer. In 1920 Mr. Harris joined the Eastern Connecticut Power Company in Norwich as secretary and treasurer. This company later merged with CL&P. In 1928 he became Norwalk District Manager and in 1939 was made Southern Division manager with headquarters in Norwalk. He is a director of the Norwalk Hospital, Norwalk Chamber of Commerce, and the Shorehaven Golf Club.

★ ★ ★

**CLAYTON L. PHILLIPS** has been named manager of the newly-established Defense Products Division of Sargent & Company, New Haven, it has been announced by Herman R. Giese, vice president and works manager.

Mr. Phillips, a long-time employee of Sargent & Company, has most recently been superintendent of the firm's Lock Division, the largest manufacturing unit in the Sargent plant. He will be succeeded by Frank Nelson, who joined the company as assistant superintendent of the Lock Division in January of this year.

★ ★ ★

**THE UNION HARDWARE COMPANY** of Torrington has purchased the assets of the Horton-Bristol Manufacturing Company Division of the Wright Machine Company, and will continue the manufacture of golf clubs and fishing tackle under the names of Horton and Bristol, at the Torrington plant.

E. Morris Jack, president of the Torrington firm, announced that just the assets were purchased, including the machinery and stock, exclusive of real estate. Mr. Jack said that the Union Hardware will fill current orders out of available stocks and there would be an interim period before the company gets into complete production of the new lines.

**PAUL A. STEPHENSON** has been appointed general works manager of the New Haven Clock and Watch Company, it has been announced by Dr. Max A. Geller, president, and chairman of the board.

Mr. Stephenson will have his offices in New Haven, and will be in charge of operations of both the New Haven and Chicago plants of the 135-year old company, which manufactures consumer clocks and watches, automobile clocks, time measuring devices for industrial and defense use, and electron-

ics instruments.

Prior to joining the New Haven firm, Mr. Stephenson was manager of the Mechanical Research and Engineering Department of the A. B. Dick Company, of Chicago, manufacturers of office duplicating equipment.

He also has had 22 years experience in the clock and watch field, having been associated with the Waltham Watch Company, the Howard Watch Company, and General Time Instrument Corp. of New York.



In almost every company there is an able executive extremely important to its success and profits. It would take months, perhaps years, to replace him. Meanwhile the company's profits might suffer.

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THIS SEAMLESS KOLITE BASKETBALL, autographed by members of the winning U. S. Olympic team, was presented by the U. S. to the Russian basketball team (runner-up) just prior to the playing of the final game at Helsinki. The International Basketball Committee is considering the use of a similar ball, made by the Seamless Rubber Company, New Haven, in the 1956 Olympics.

**CHARLES G. BILL**, a director and former vice president of the Connecticut Power Company died recently at the Hartford Hospital.

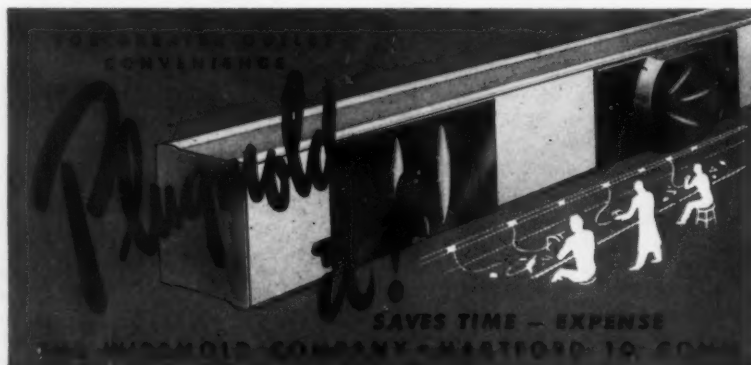
A native of Springfield, Massachusetts, he was graduated from Phillips Andover Academy in 1888. Mr. Bill organized and developed the Union Electric Light and Power Company in 1901, and brought the first electric light and power service to Farmington, Unionville, Avon and Canton.

The Union Electric Light and Power Company was acquired by the Con-

necticut Power Company in 1928 and the two companies were merged in 1936 at which time Mr. Bill became vice president and director of the latter company.

★ ★ ★

**TWO CONNECTICUT INDUSTRIALISTS** have been made trustees of the newly formed council for Technological Advancement, assigned to "program, pioneer and promote ideas for a more dynamic American economy."





They are Franklin R. Hoadley, president of Farrel-Birmingham, Inc., Ansonia, and C. A. Moore, treasurer of Manning, Maxwell and Moore, Stratford. They were chosen because their concerns are "particularly identified" with technological advancement.

★ ★ ★

**HARRY N. LAW**, secretary of the Bristol Brass Corporation, Bristol, died recently after a long illness.

He had served as a Bristol city councilman from 1916 to 1920, and was active in Masonic and church affairs.

★ ★ ★

**J. NELSON KELLY**, executive vice president, has announced that Boots Aircraft Nut Corporation, one of the larger suppliers of lock nuts to the aircraft industry, is completing arrangements for moving its entire operation, plant and offices to Norwalk.

Located in Stamford for over six years, this move has been necessitated by the company's rapid expansion and the subsequent need for greater manufacturing space.

★ ★ ★

**THE NEW YORK**, New Haven and Hartford Railroad has announced the appointment of Arthur C. Plante as assistant vice president in charge of public relations, publicity and advertising. He also was appointed a member of the operations committee.

Mr. Plante, a native of Worcester, entered the service of the "New Haven" 40 years ago, in November 1912, as a locomotive fireman. For the last three years he has been in charge of public relations with headquarters in Boston.

★ ★ ★

**NEWTON CASE BRAINARD**, chairman of the board, Connecticut Printers, Inc., recently observed the fiftieth anniversary of his employment with the 116-year old printing concern.

Mr. Brainard was born in Hartford in 1880, and was graduated from Yale University in 1902. That year, shortly after the death of his father, Leverett Brainard, president of Case, Lockwood & Brainard Co., Mr. Brainard joined the company, and eight years later was named president of it.

In 1947 The Case, Lockwood & Brainard Company was merged with The Kellogg and Bulkeley Company under the name of Connecticut Printers, Incorporated. This marked the consolidation of two of the oldest printing and lithographic firms in the United

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States. Mr. Brainard was named President of the corporation, and is now Chairman of its Board of Directors.

He is Trustee of Trinity College and Chairman of its Board; President of the Dime Savings Bank of Hartford; president of Employers' Association of Hartford County, Inc.; president of Industrial Memorials, Incorporated; vice president of The Connecticut Historical Society; honorary director, Hartford National Bank & Trust Company; director of The Smyth Manufacturing Company, the Hartford Steam Boiler Inspection and Insurance Company, and the Standard Fire Insurance Company.

His hobbies have included the operation, with his brother, of a gentleman's farm, research in early Connecticut history, the making of exquisite miniature furniture, salmon fishing in New Brunswick, golf, tennis and small boat sailing.

★ ★ ★

**THE APPOINTMENTS** of Roy G. Salaman as merchandising director and Theodore Orban as advertising and sales promotion manager for Sargent & Company have been announced by J. Bryer Duff, vice president and general sales manager of the New Haven hardware concern.

Mr. Salaman was formerly director

of advertising and sales promotion, and Mr. Orban advertising manager.

The new setup, according to Mr. Duff, emphasizes Sargent's increasing efforts to improve and expand its sales relationships throughout the hardware trade. Jobbers will continue to receive a major share of the sales staff's attention, but through the company's increased market research efforts, the retailer and the consumer will become important links in the Sargent sales plan.

★ ★ ★

**THE PLATING FACILITIES** of City Plating Works, Inc., Bridgeport, have recently been expanded with the addition of a second plating generator made by Hanson-Van Winkle-Munning. It is a 12/6 volt, 3000/6000 Ampere motor generator set. The firm has also added two new tanks for hard chrome plating.

The firm is equipped for "Du-Lite" black surface oxidizing and processing the work just as it comes from the tank with a penetrating oil or hard wax finish. The development of apparatus for plating spools of wire with cadmium, nickel, tin or zinc, and the installation of new type silver plating solution known as the Hanson-Van Winkle-Munning's Silver Lume, have also been announced by Warren Schmidt, president.



**AN EFFECTIVE EXHIBIT** designed primarily to show the public how process printing is produced has been displayed by Connecticut Printers, Inc., Hartford, in the lobby of the Hartford National Bank and Trust Company. On the left side of the center panel the original Kodachrome is shown, along with the separation negatives and progressive proofs, demonstrating the effects achieved from printing one color over another. On the right, or letterpress side, the original painting was shown, along with the original plates, electrotypes, and progressive proofs.



**THE LEASING** of seven large offices in a modern building at 40 Worth Street, New York, and the re-establishment of offices and salesrooms for domestic business has been announced by R. W. Chamberlain, vice president in charge of sales, The Stanley Works, New Britain.

According to Mr. Chamberlain, relocation of the New York office will provide up-to-date quarters and better service facilities. Charles Pincus, New York district sales manager of The Stanley Works, has been appointed office manager of the new offices, in addition to his regular duties.

Included in the move of the New York offices to 40 Worth Street are the following divisions: hardware, hand tools, electric tools, steel strapping and steel. The service department of Stanley Electric Tools has also moved to the new location.

★ ★ ★

**ABOUT ONE HUNDRED** executive and sales personnel of Farrel-Birmingham Company, Inc., Ansonia, recently attended a three-day sales convention held at Race Brook Country Club, Orange.

The meeting brought together company representatives from the company's Connecticut plants and offices located in Ansonia and Derby, a third plant in Buffalo, New York, the company's subsidiary, Consolidated Machine Tool Corp., Rochester, and branch offices located throughout the United States.

During the conference all lines of the company's highly diversified production were discussed and recent design improvements particularly reviewed.

In its Connecticut plants Farrel-Birmingham designs and builds heavy, special machinery for a number of important industries. Consolidated Machine Tool Corp. plays a similar role in the machine tool field.

★ ★ ★

**INCREASED RESEARCH** activities at Kaman Aircraft Corporation, Windsor Locks, have led to the removal of its research department from Bradley Field to Simsbury Airport. Shop and office space has been leased by Kaman from the Simsbury Flying Service on the 52 acre airfield located in Simsbury, Connecticut.

Although the airport will continue with its normal fixed-base operations, Kaman Aircraft will have exclusive use of the field at such times as may be required for research flight tests.



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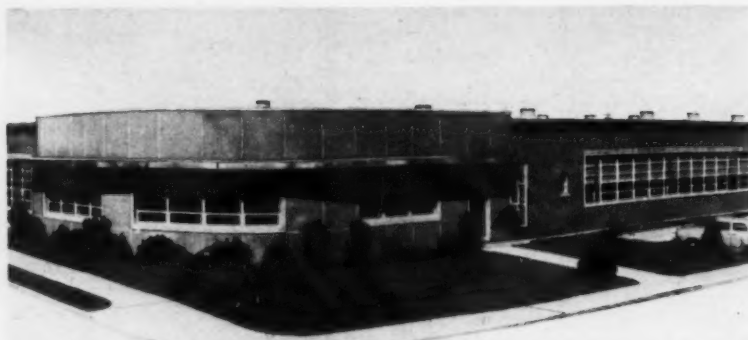
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THE ATTRACTIVE NEW plant of W. E. Bassett Company, Derby, Connecticut.

THE W. E. BASSETT COMPANY, manufacturer of Trim nail clippers and files is now occupying its modern new plant on Roosevelt Drive, Derby, Connecticut.

Built with the accent on modern design and functional planning for high efficiency and top quality control, the plant is completely outfitted with the latest, most improved equipment and modern machinery.

The company is soon to announce a complete new merchandising program supported by expanded advertising and promotion to keep pace with its increased factory output.



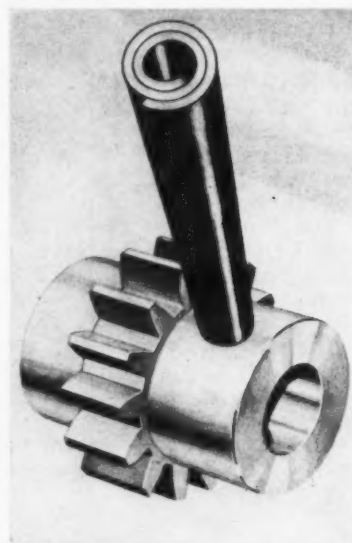
A NEW FASTENING PRINCIPLE has been incorporated in the design and construction of the newly developed Spirol pin, now in production at the plant of C. E. M. Company, Danielson.

Spirol pins are machine pins which have been engineered especially to overcome the inherent shortcomings of fastening pins. They are formed by rolling strip steel spirally. The spiral cross-section makes the pin unique, and provides the pin with its many desirable features. The pin is a coiled spring whose physical properties can be changed by varying the thickness of the strip, the tightness of the coils and the number of coils in the spiral.

The Spirol pins, which are available in three standards: heavy duty, medium duty and light duty, were developed by Herman J. Koehl, a partner in the C. E. M. Company (Connecticut Engineering & Manufacturing Co.).

According to the maker, the replacement of taper pins with spirol pins improves design and reduces production costs. The pins are used in holes drilled with standard drills with no

reaming, which is economical of money, time and tools.



THE SPIROL PIN of the C. E. M. Company is a coiled spring whose physical properties can be changed by varying the thickness of the strip, the tightness of the coils and the number of coils in the spiral.

AT A MEETING of the Board of Directors of the Cushman Chuck Company, Harry E. Sloan, president of the company since 1928, was elected chairman of the board. Mr. Sloan will complete 53 consecutive years of service in the fall of this year. He became vice president in 1919 and president in 1928. He has been a director of the Cushman Chuck Company since 1914 and served also as treasurer subsequent to 1939.

Harry E. Sloan, Jr., who has served under his father as vice president and secretary since 1939, now becomes the president of the firm. Mr. Sloan, Jr.,





**CAMPAIGN CUPS**, manufactured by The American Paper Goods Company, Kensington, are a popular item on the consumer market in these pre-election weeks. Attractively printed in red and blue on white sidewalls, Puritan "Campaign Cups" should appeal to millions of people across the country. In an added effort to help get out the vote this year, the company has added to each cup the phrase, "He'll never win unless you register and vote."

a director of the company since 1938, started with the company in 1937. He is a graduate of the Sheffield Scientific School at Yale University.

Edward L. Field, assistant treasurer, has been named treasurer. He started his service with the company in February, 1920.

★ ★ ★

**THE LEE COMPANY**, of Hartford, manufacturers of high performance aircraft and rocket control components, has purchased a two story plant in Westbrook, Connecticut, to be used as an auxiliary manufacturing unit.

Lawrence J. Fagan, secretary-treasurer, announced that the additional facilities were necessitated by the increase in the company's growing backlog of orders.

The acquisition of the Westbrook plant is expected to increase production capacity by 45% after the plant is in full operation. The three-year old building was purchased from Mark Hagle of Westbrook.

The Lee Company was founded in 1948 by Leighton Lee II for the purpose of providing the manufacturers of advanced type aircraft power plants with a source of controls.

★ ★ ★

**PHELPS INGERSOLL**, president of Wilcox, Crittenden & Co., Inc., of Middletown, met with the employees in the various departments throughout

the plant recently and presented service pins to all who had passed new milestones in their employment with the well-known marine hardware concern.

Three men received forty-year emerald pins, together with a U. S. Savings Bond. Two employees received the 35-year sapphire pin. Next followed three men who each received a pin acknowledging their twenty-five years of service with the firm. Two men were awarded the 15-year pin.

Twenty-seven men each received a service pin from Mr. Ingersoll denoting the completion of their first ten years with the firm, and the final group to be called was composed of seven employees who had just rounded out five years of service.

The Middletown concern was founded in 1847, and manufactures an extensive line of marine and industrial fittings.

★ ★ ★

**A NEW LIGHTWEIGHT** continuous recording machine for use in municipal police headquarters, fire alarm bureaus and flight control towers, was announced by Dictaphone Corporation, Bridgeport.

Known as the Dictaphone Dictacord Continuous Recorder, the new machine automatically monitors voice radio communications, police call boxes, fire and police emergency telephone calls and air-ground radio communications.

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When used at police and fire headquarters to monitor emergency telephone calls, the Dictacord eliminates the danger of errors due to misunderstanding. A flip of a switch provides instant playback of names, street addresses and similar data needed to dispatch patrol cars or fire fighting equipment.

Less expensive than Dictaphone's earlier continuous recording model, the new machine weighs only 45 pounds and is portable. It records on a seamless plastic belt. Two belts are inserted simultaneously, the machine automatically switching from one to the other to provide a full hour of continuous recording.

★ ★ ★

**GLIDDEN S. DOMAN**, president of Doman Helicopters, Inc., Danbury, now in production, has announced the appointment of Claude D. Adams as public relations director in charge of advertising.

Mr. Adams has been in advertising and sales promotion for several years, following his nationwide presentation of the helicopter in the years 1944 and 1945.

★ ★ ★

A NEW, INEXPENSIVE DEMINERALIZER has recently been placed on the consumer market by Crystal Research Laboratories, Hartford.

Called "Deeminac," the unit consists of a filter made of specially blended and processed ion exchange resins (Deeminite) which grip and hold all ionized impurities, and a plastic bottle.

The filter fits the top of the bottle and water to be demineralized is squeezed through the filter to emerge chemically pure. Water produced by Deeminac is said to be the chemical equivalent of triple-distilled water.

The manufacturer recommends Deeminac for scientific, research and industrial laboratories or wherever chemically pure water is needed. Deeminac water can be used for storage batteries, blood chemistry, hydrogen-ion studies, ion free washing of laboratory apparatus, photography, the home steam iron, and many other uses.

Deeminac comes in three sizes, six ounce bottle with two ounce filter, eight ounce bottle with three ounce filter and 16 ounce bottle with four ounce filter.

★ ★ ★

**THE FIVE STAR CO., INC.**, manufacturer of electrical coils and

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## CHASE



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control equipment, has announced plans to expand for the second time since its inception in August 1945.

The company has already moved from its location in West Cheshire to a three-story building in Plantsville as the first step in its expansion program.

Founded by a group of public-spirited Cheshire residents, the concern opened a sales office and a designing and model shop for the manufacture of toys in 1945 in one division, and facilities for producing electrol control equipment in another.

★ ★ ★

**CLIMAXING** four years of research and development, the Whitney Chain Company of Hartford has now introduced a special roller chain incorporating oil-impregnated sintered metal bushings.

Roller chain has long been recognized as one of the most efficient and versatile means of mechanical power transmission available to machine designers and production men. Up to now, however, the use of roller chain has been limited under certain conditions, due to the need for either externally applied lubrication or totally enclosed lubrication.

The new Whitney oil-impregnated Sintered Bushing Chain, requiring little or no lubrication, was designed

by Whitney Chain to satisfy this recognized need for a chain drive which would operate efficiently where conventional lubrication methods are either not possible or desirable.

Exhaustive laboratory tests and field installations of the new chain indicates a marked increase in service life on applications where normal lubrication is not available, according to the manufacturer.

★ ★ ★

**PERSONNEL RATIOS**—the number of persons employed in personnel work per 100 employees—have dropped for the second successive year, according to a survey conducted by Dale Yoder and Lenore P. N. Wilson of the University of Minnesota's Industrial Relations Center.

The survey, reported in a recent issue of *Personnel*, published by the American Management Association, shows a continued increase in salaries of industrial relations executives. The over-all average salary for January 1952 was \$9,685, not including bonuses or insurance benefits, representing a gain of thirteen per cent over the preceding year's average of \$8,581. For the five year period, 1948-52, average salaries have increased twenty-five per cent. The study indicates that the designation vice president in charge

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Won't separate  
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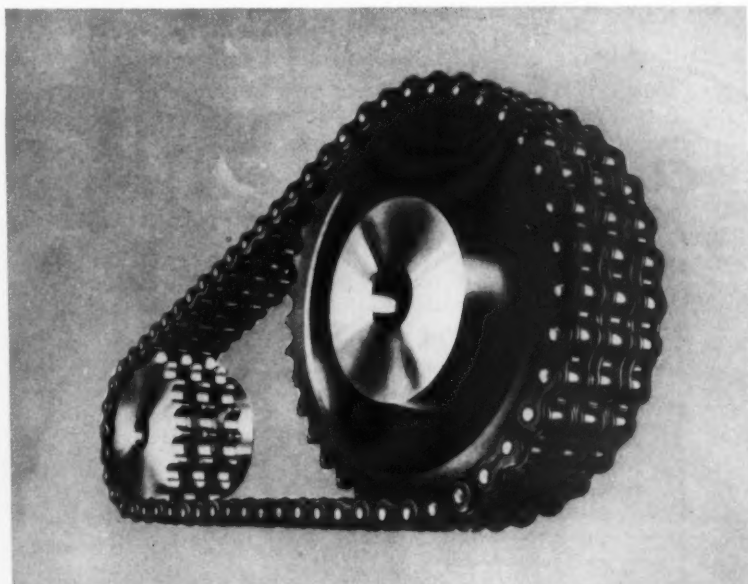
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Commemorating 150 years of craftsmanship in metals—Scovill presents in action its early hand method for brass bar casting, compared to its continuous-casting process of today.

### *Compare brass bar casting methods of 1802 and 1952 at Scovill's exhibit in the National Metal Exposition*

To commemorate 150 uninterrupted years of craftsmanship in metals, the Brass Mill Products Division of Scovill Manufacturing Company is presenting, in action, its early hand methods for melting and casting the first brass bars made in America, contrasted to its present-day continuous-casting process.

Here, you will see a huge coil of Scovill brass, constantly winding and unwinding before your eyes. You can inspect both sides of this ever-moving strip and see what is meant by inherent *soundness* and *uniformity*. You will see why the last pound of your order for Scovill continuous-cast brass is essentially the same as the first pound.

At Scovill's exhibit you will learn why "You can't buy better brass!"

Visit Scovill's Booth No. 1685, National Metal Exposition, Commercial Museum, Philadelphia, October 20-24.

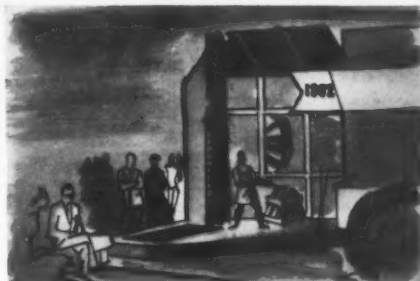
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**1802**—Early Scovill craftsmen employed these hand methods for melting and casting first brass bars used in this country for subsequent cold-rolling into strip form. Output of these tiny brass bars, weighing 1 lb each, was only about 5 to 10 lbs. hourly.



**1952**—Today Scovill's unique continuous-casting process is capable of producing up to 30,000 lbs. per hour of rectangular-shaped brass bars. The Scovill flat-metal continuous-casting machine, only one of its kind in the brass industry, will be represented at the Exposition by a half size model—operating in natural color in motion. Since 1949, Scovill has offered commercially 2,000 lb. non-welded 24 in. wide brass coils; 3,000 lb. coils will be available in the near future.

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of industrial relations or personnel has an additional money value of approximately \$10,000 as compared with the next salary classification. Second best paid, the Personnel article reports, are the industrial relations directors, who averaged \$12,238; and the least lucrative are the personnel managers—\$7,993.

★ ★ ★

**THE CHASE BRASS & COPPER CO.**, Waterbury, is again sponsoring the enlarged Waterbury, Connecticut, Civic Orchestra. Concerts, to which the public were invited, were held during August, and the orchestra has been increased to include sixty pieces, conducted by Mario DiCecco.

Presentation of the Pops Concerts, which began last year as a part of Chase's 75th Anniversary celebration, were supplemented by selections by the Chase Girl's Choral Club.

Ward Davenny, director and head of the piano department of the Hartford School of music, was guest soloist at the first concert. The concerts were conducted in the Municipal Stadium in a shell-bandstand that was erected to project music to the audience.

Sponsorship of the Waterbury Civic Orchestra by Chase is a part of the company's expanding program in community relations in Waterbury, where operations have been maintained since January 1876.

## The Rights and Obligations of Employees

(Continued from page 15)

ness, and that each man with these inalienable rights is created equal and should be allowed from that even start to rise as high as his own abilities will permit, provided that he does not interfere with the rights of others.

What else may an employee consider as his right? And, since every right carries with it an obligation, what other obligations bind the employee?

The first that comes to mind is that an employee is entitled to a fair day's wage for a fair day's work. This sounds very simple, and if we could just define half a dozen words, it would be simplicity itself. The words that need definition are: "fair," "day," "wage," and "work." In other words, what is fair?



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what is a day? what is a fair wage? and what is work?

But, again, under rights and obligations:

An employee has a right to a fair day's wage provided he turns in a fair day's work.

He has the right to a decent, clean, safe, and respectable place to work, and the right to proper recognition for the work he does; he has the obligation to help keep his work place clean, safe, and respectable, and the obligation to do the kind of work that he can be proud of.

He has the right to consider himself as a part of the entire production team, and the obligation to so handle his work that the entire team benefits.

He has the right to expect an alert, progressive management, constantly developing and searching out new products for him to make and better methods and tools for him to make them with; he has the obligation to progress with his management in replacing old methods with new.

He has the right to reasonable security in case of illness or old age, and the obligation to help finance his own security and to help his company maintain the strength that will enable it to finance part of his security, and to help prevent inflation that would lessen the value of any security which had been built up in the past.

He has a right to a fair share of the proceeds that his company earns and the obligation to help strengthen his company so that these proceeds may continue.

He has the right to his individual dignity and pride of workmanship, and the obligation to see that there is something there to be proud of.

He has the right to an honored place in society and the obligation to remember that while he may be working for a company, he and the company together are both working for the public—that, in the final analysis, the customer is the real boss and that the company has no funds with which to pay him other than those funds which are received from the public in recognition of the work that the team of management and labor together may do.

Lastly, he has the right to his own independence and freedom, and the sacred obligation to resist any one by any name who would have him trade even a part of his freedom to one who promises "pie in the sky" on one hand and further control of individual liberties on the other.

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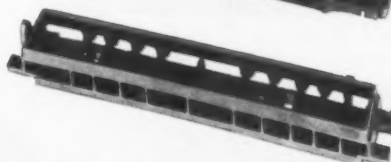
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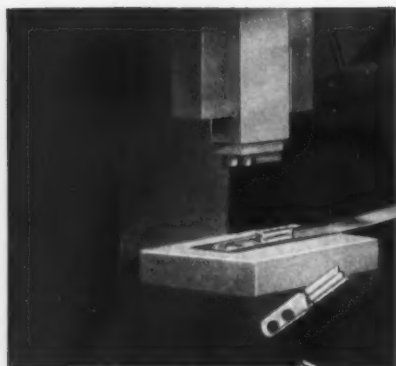
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## INDUSTRIAL Relations — Law

By FREDRICK H. WATERHOUSE  
*Counsel*

**T**HE NOVEL and encouraging development which we mentioned last month and which involved an agreement between a Connecticut company and a union concerning the method of picketing a struck plant seems to have been rather short-lived. We regret that it did not live up to our expectations and apparently the pickets became over-zealous in certain respects, violated the agreement and picketed in such a manner that it was necessary for the company to seek an injunction. Upon proper proof, the injunction was issued again specifically limiting the number of pickets and the manner of picketing in some detail.

It is still possible that the precedent of entering into such an agreement may develop and its terms be properly respected and carried out so that the necessity for seeking injunctive relief from the courts will be further reduced.

\* \* \* \*

A recent opinion from the Connecticut Attorney General interpreting our statute which permits an assignment of wages for the deduction of union dues under specified limitations helps to clarify the present limitations of this law. The question presented to the Attorney General involved a proposed contract clause between an employer and a union which provided for check-off of initiation fees and dues in a certain sum but which also contained a provision that larger amounts for the initiation fee and for the dues might subsequently be deducted but with a maximum limitation on each. Under this clause, the dues deducted could be raised from a stated \$1.50 to a maximum of \$3 per month and the initiation fee could be raised from a stated \$5 to a maximum of \$10.

The Connecticut law which makes an assignment of wages void exempts from its provisions: "Any assignment by any person of any debt due him or

to become due him by reason of his personal services, wages, salaries, earnings or commissions shall be void, provided this section shall not prevent the regular deduction of specified amounts from wages or salaries for the payment of union dues in accordance with the terms of a duly executed contract between an employer and his employees or their collective bargaining agent."

Two questions were presented to the Attorney General; first, whether the contract or the individual authorization under the terms outlined as above satisfied the statutory requirements with particular regard to the laws limitation to "specified amounts" and; second, whether a check-off for an initiation fee was proper in any case.

The Attorney General came to the conclusion that the deduction authorization was void in both respects. In reaching this conclusion, he said: "It is our opinion that when the legislature exempted wage assignments for the purpose of the regular deduction of specified amounts from wages or salaries for the payment of union dues, the specific amount of each deduction must be listed in the contract which is in existence between the employer and his employees or their collective bargaining agent. Applying this to the particular contract in question, it is our feeling that since the contract in question permits deductions of variable amounts but not in excess of certain maximum amounts, it does not conform to the statutory requirement as to 'specified amounts,' the words



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'specified amount' must be applied in their generally accepted sense, that is, a sum which is definitely and precisely fixed. The contract in question in effect stipulates a minimum and maximum deduction and does not definitely and precisely fix the amount as required by the statute."

With regard to a deduction for an initiation fee, the Attorney General said: "Insofar as your second question is concerned, it is our opinion that this statute does not permit the deduction of initiation fees. You will note that the statute permits 'the regular deduction of specified amounts for the payment of union dues.' This phrase contemplates a series of deductions in amounts certain for the payment of dues. The initiation fee amounts to a single deduction and is not a regular deduction for the payment of 'union dues' as intended by the statute. Dues generally mean the obligation which a member of an organization has to pay regularly fixed charges for the maintenance of the particular organization. Initiation fees are not generally re-

garded as dues but as charges for the privilege of entering the membership of a particular organization. It is, therefore, our opinion that check-off deductions for initiation fees are not within the contemplation of the statute."

These two questions have been matters of speculation in the minds of many employers for quite some time and the Attorney General's opinion clearly sets forth the interpretation which the State Labor Department will follow.

### **The American Buckle Company**

*(Continued from page 8)*

the American Buckle Company have been associated with it for 20 years or more. The record of one woman, who was associated with the firm for more than 45 years and at the time of her retirement was commonly recognized to be capable of turning out as much finished work as three or four of

her younger co-workers, is exemplary, not exceptional. At present one other employee who came to work for a two-week summer job is still with the company after 52 years. He recently remarked that after this fair trial he has decided to stay.

The management of the corporation has also been prominent in civic affairs in West Haven, an important factor in the happy community relations enjoyed by the company. President and Treasurer Robert J. Hodge served 3 terms as Representative to the Connecticut Legislature, is a member of the board of finance of the Town government, while his son, Hubert C. Hodge, secretary and assistant treasurer of the firm, is a fire commissioner and a member of the zoning commission for several years. George J. Salisbury now occupies the position of assistant secretary. Both officers and employees look forward to the future with an eye toward further improvement in its product and greater growth as a result of increased numbers of satisfied consumers.



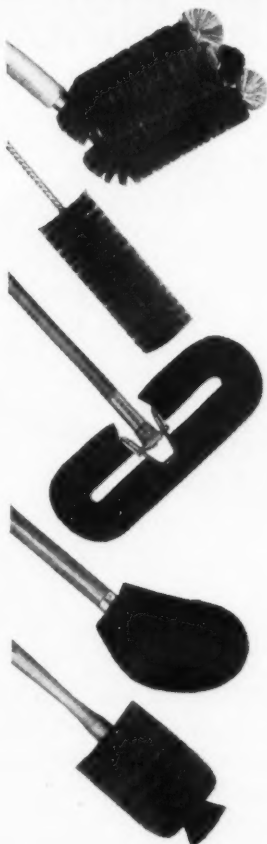
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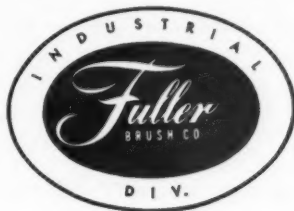
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**C**ONNECTICUT, although one of the smallest states in the union, is the most highly industrialized state. Its economy, its resources, and its geographical location are such that the prosperity of the State is dependent to a large degree upon the maintenance by the United States of a sound and thriving international commerce. Not only are a great many industrial workers in Connecticut employed by industries who are actively engaged in exporting their products, but a great many more are employed by industries whose products are used in the production of other goods which are exported.

According to a recent survey prepared by the Connecticut Development Commission, five hundred and fifty-two Connecticut manufacturers reported that they exported goods valued at \$139,899,000 in 1948. The leading direct exports were machinery, iron and steel products, transportation

equipment, nonferrous-metal products, textile-mill products, chemicals, and rubber products as well as stone, clay and glass products, apparel, paper and paper products, furniture, lumber and timber products, printing and publishing products, food products, and leather products. Unfortunately statistics are not available which will show the value of indirect exports. Because of the wide variety of goods produced in the State, such as ball bearings, machine tools, hardware, bolts, nuts, washers, rivets, electrical equipment, instruments and many others, it is reasonable to assume that the value is high. An outstanding example of the importance of indirect exports is to be found in the ball bearing industry. About one-third of all ball bearings manufactured in the United States are produced in Connecticut. When one takes into consideration the vast number of exported products which contain ball bearings as component parts, it can readily be seen why this one in-

dustry alone is so vitally interested in foreign trade.

The profit motive is the basic reason why any person or industry engages in a certain occupation or business. It is therefore natural to expect that exporting is done not only to realize a profit, but also to make it possible for a company to spread its overhead charges and thereby increase the profitability of its domestic business. By spreading overhead costs and lowering unit costs of production an industry is better able to compete in the domestic market. An industry may also find that the increased margin of profit resulting from exports may mean the difference between profit and loss on all operations which in turn, affects the employment of all workers in the enterprise.

Foreign trade is not a one way street. Imports as well as exports are important to the long range economic health of Connecticut and the United States. Compared with many nations we are remarkably self-sufficient yet we must import an increasing number of resources without which our economy would be gravely crippled. Practically every important industry in Connecticut is dependent upon imports to supply at least some of its essential raw materials. Among the chief products imported in Connecticut are manganese ore, chrome, cobalt, tin, antimony ore, shellac, crude rubber, asbestos, zinc, lead and copper.

Our imports are vital for other reasons. It is through our imports that foreign countries receive dollars with

*(Continued on page 51)*

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## ACCOUNTING HINTS

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### Internal Auditing is Good Business Sense\*

ONE OF the foremost requirements for a successful business organization is to provide checks and balances, or, in accounting terminology, proper internal control. This necessity is widely realized and practiced in varying degrees. However, in many instances, these internal control features disintegrate and fade away into meaninglessness. Internal control is a dynamic force, requiring revisions with changing factors and constant surveillance and interpretation. Business executives, as such, are too busy to do this or else they defeat internal control with "penny-wise, pound-foolish" economies. The answer is to employ a good internal auditor with proper support.

A good internal auditor is one who has had a varied and substantial background which includes public, financial and industrial accounting experience and education; familiarity with accounting systems and business procedures; an ability to write reports; and an amiable personality capable of working well with others. He must have an analytical mind and a liking for details and statistics.

Proper support means that his office should be an important one to enable him to make his reports to an officer of no lesser a calibre than a Treasurer. This is important since the nature of his work oftentimes requires constructive criticism which may be directed to a Comptroller or Production Manager. Obviously, if he were subordinate to the Comptroller his direct criticism would be toned down to a high degree, thereby defeating his purpose. Proper support also means that able assistants should be supplied where the scope of

operations warrants the use of a full-time staff. The size of the staff is dictated by the size of the company and its operations.

To some executives the maintenance of an internal auditing staff means additional administrative expenses not warranted under their particular circumstances. Many others, however, feel that the benefits to be gained by such an expenditure more than justify its cost. While these benefits are numerous, the following list constitutes the major ones:—

1. Assures accuracy of accounting statements and reports.
2. Provides economies in accounting systems and business procedures.

3. Aids in the conservation and preservation of corporate assets.
4. Reviews internal control and detects frauds and embezzlements.

The first item on the above list, assuring accuracy of accounting statements and reports, is of the utmost importance since these figures represent the control devices of management in its administrative function. Policies are formulated and decisions are made on the basis of reports submitted by the accounting department. Needless to say, these must be accurate in every manner. The auditor's role to assure this accuracy is achieved through the preparation of an accounting manual, providing standardized reporting

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forms, and verifying the application of these instructions for accuracy, etc. He checks certain basic accounting policies to determine compliance and verifies the accuracy of account classification and posting. Generally, then, the auditor should determine that the basic detail is being funneled into the proper account classifications in accordance with the desires and dictates of management. In so doing, reliance may be placed upon the statements and reports which have been prepared from the summarization of this detail.

The second item, providing economies in accounting systems and business procedures, covers a wide scope and is based upon an evaluation of the paper work which necessarily flows through an organization. The auditor who has a diversified accounting background will be able to recommend certain procedural changes, efficient utilization of mechanical equipment, and other methods to accomplish the desired end result more economically.

The third item, aids in the conservation and preservation of corporate assets, brings the auditor into realms other than purely accounting. The usage to which capital facilities are put, the nature of certain financial transactions, operating methods, etc. are studied to appraise efficiencies.

The fourth item, reviews internal control and detects frauds and embezzlements, was at one time considered the primary purpose for engaging auditors. It is now only one of the audit objectives and, fortunately, this is more widely understood. The audit no longer connotes a special investigation necessitated by dishonest practices. The review of internal controls is necessary because of the laxities which some of us are prone to exercise. Internal auditing, as such, cannot prevent frauds and embezzlements from being perpetrated, but it can make such practices more difficult and will bring them to light much more quickly.

The now classic expression of trust, "Why, Pete has worked for me for years; I trust him like a brother," is probably the poorest excuse an executive can offer to justify the lack of internal control. Business is business and such blind trust has no place in the administrative function as many have discovered, but too late. It remains the chief executive's responsibility to protect and conserve corporate assets to the best of his ability. Obviously, he cannot do this by himself—the internal auditor is his man.

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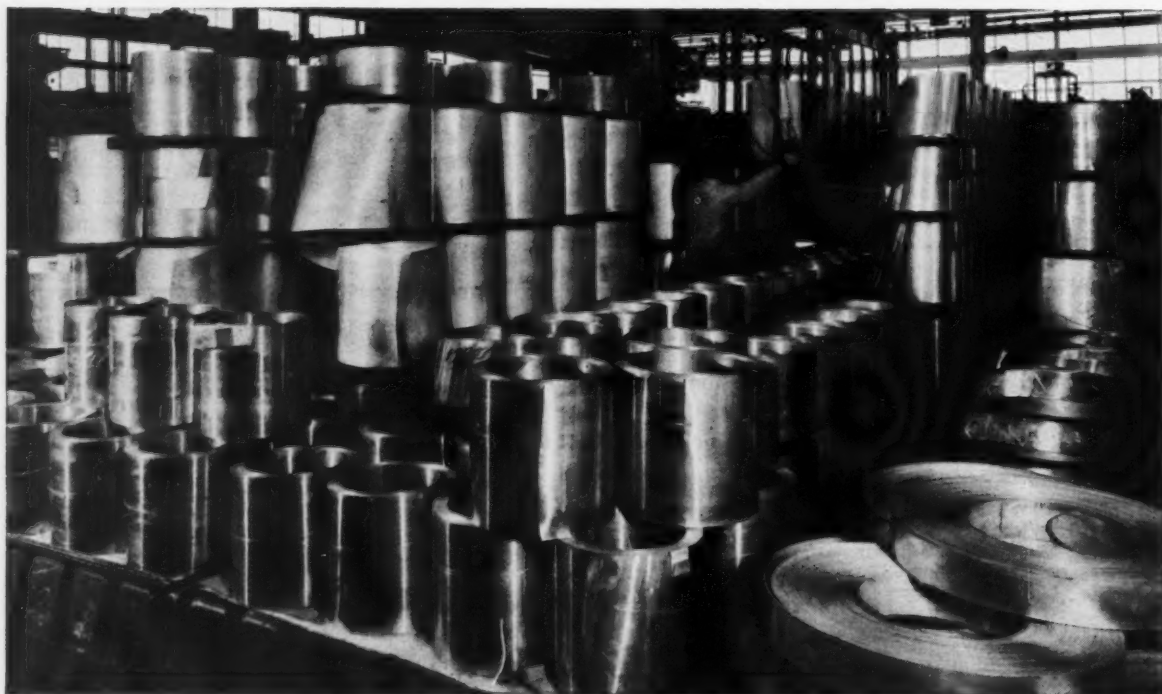
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## BUSINESS PATTERN

A comprehensive summary of the ups and downs of industrial activity in Connecticut for the thirty day period ending on the 15th day of the second previous month.

THE INDEX of general business activity in Connecticut is estimated at 24% above normal in July, a decline of two percentage points from the preceding month. In addition to vacation shutdowns which normally occur in July a few Connecticut plants were closed because of the steel strike and others were effected indirectly, resulting in over-all decreases in both employment and man-hours. The current standing of the general index is about the same as that which obtained in March and April of this year. A year ago the index stood at 38% above normal, the highest point since World War II. In comparing the various components of the general index with July of last year we find that construction activity is slightly higher, employment is about the same, and manhours worked, freight shipments and cotton mill activity are down sub-

stantially. The United States index of industrial activity continued its sharp decline during July to an estimated 16% below normal as a result of the prolonged steel strike.

The July index of man-hours worked in Connecticut factories is estimated at 25% above normal. Because of vacation shutdowns in many manufacturing plants and curtailed activity in others due to the steel situation the total number of manhours worked in July was considerably lower than in the preceding month.

The following table, based on material published by the Boston office of the Bureau of Labor Statistics, shows a comparison of hours and earnings of production workers in all manufacturing industries of the United States, New England, Connecticut and the principal metropolitan areas of this state:

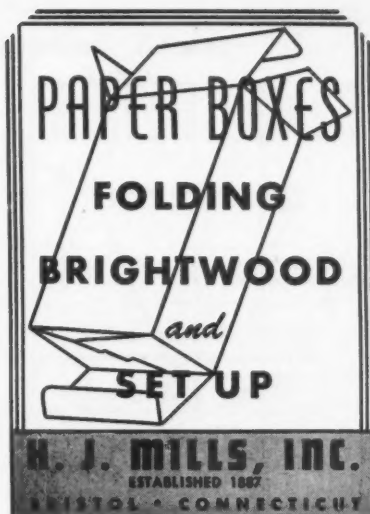
*Hours and Earnings of Production Workers  
in All Manufacturing Industries*

June 1952

	Average Hours Worked	Average Weekly Earnings	Basic Hourly Earnings
United States	40.4	\$66.98	\$1.61
New England	40.9	63.40	1.50
Connecticut	41.6	69.00	1.59
Hartford	43.4	76.10	1.65
Bridgeport	42.3	72.33	1.63
New Haven	41.0	63.96	1.51
Waterbury	41.2	66.57	1.56
Stamford	41.4	72.92	1.69
New Britain	41.3	67.59	1.58

At the middle of this year the average employee in Connecticut industry was working more hours and earning more money than employees in the New England states as a group, and in the country as a whole. Basic hourly earnings in Connecticut at \$1.59 were

higher than the New England average of \$1.50, but not quite as high as the composite for the United States of \$1.61. Among the principal labor market areas of this state Hartford people were working the longest week, 43.4 hours, and receiving the highest aver-



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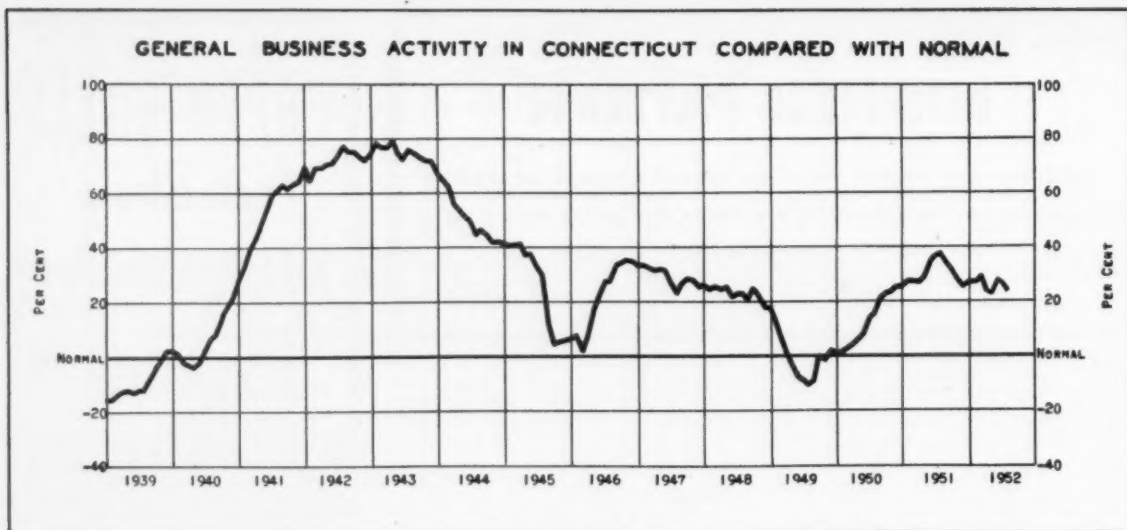
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age weekly wage \$76.10. Basic hourly earnings, however, were the highest in Stamford, being recorded at \$1.69.

In July the index of employment in Connecticut factories fell off two percentage points to an estimated 19% above normal. While the present stand-

ing is down slightly from the previous month it, nevertheless, is at approximately the same level that has been maintained since May of last year. The Connecticut Department of Labor report for July shows that total non-agricultural employment in this state

is 833,000 compared with 822,000 a year ago. Of this total, manufacturing employment is now 415,000 against 417,000 in July 1951, and non-manufacturing employment is 418,000 compared with 405,000 last year.

In July the index of construction work in progress fell off ten percentage points from the all-time high recorded in June to an estimated 120% above normal. Throughout the past two years the construction index has remained at least 70% above normal.

So far this year contracts have been awarded for 17,700,000 square feet of floor space of which 13,400,000 was for residential building. During the first seven months of last year the corresponding figures were 17,400,000 and 11,700,000, respectively.

In July the downward trend in wholesale prices was halted while consumer prices continued to move up gradually. The wholesale commodity index rose sharply between April 1950 and February 1951 to a point 19% above the January 1950 base. After that commodity prices tended to decline until the past month when there was a fractional rise to +14%. The consumers' price index also advanced noticeably from early 1950 to February of last year when it reached 9% above the January base. Since then there has been a further gradual increase to +13% at the present time. In July, consumer prices were the highest in the history of the index.

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# BUSINESS TIPS

from

School of Business Administration

University of Connecticut

By A. D. JOSEPH EMERZIAN

Assistant Professor of Industrial Administration

**F**ACILITIES replacement is the displacement of capital goods from their function or use. It involves an economic comparison of present equipment with alternative equipment capable of performing identical functions. It is management's responsibility to select and maintain facilities capable of the most economical production. This responsibility requires of management constant vigilance, a complete understanding of the nature of the problem and the establishment of sound policies and techniques. The purpose of this article is to discuss the basic nature of replacement analysis; a subsequent article will present the required techniques.

\* The interested reader should refer to the excellent publications of the Machinery and Allied Products Institute, particularly the book, *Dynamic Equipment Policy*, by George Terborgh, McGraw-Hill Book Company, 1949.

## Functional Degradation

Like other factors in our economy, capital goods are subject to competitive pressures. These pressures take the form of new capital goods seeking to displace existing capital goods. That displacement does occur is a reality; its form, however, does require comment.

Usually, a capital good will suffer, over its life span, a debasement of function which may be either qualitative or quantitative. Assuming the character of qualitative degradation, this might mean its employment in jobs of lower service intensity. For example, a machine which has lost its ability to perform at a high level of precision can be used for jobs of a lower level of precision. Quantitative degradation occurs when a facility is

asked to render a smaller amount of service. Empirical evidence of several types of productive equipment discloses a negative relationship between age and service intensity.

It is important to note then, that displacement does not mean the death of the facility; it merely means some form of functional degradation. Although most equipment analysis concerns itself with primary replacement, it is evident that the same analysis is applicable to secondary and tertiary replacement problems.

## Obsolescence

Inasmuch as replacement has been defined in terms of a specific function, it follows that obsolescence of an asset must also be thought of in relationship to its job. An asset becomes obsolete for the job whenever it is economically replaceable. This, of course, does not mean it is obsolete for other jobs. If this were true, problems of secondary and tertiary replacement could not exist. Thus obsolescence becomes a matter of relativity and is not an attribute of the asset.

## Problems in Prediction

The decision to purchase a machine involves consequences beyond its service life. This is because the purchase involves the choice of not only this machine, but also of its successors. For example, if the machine has an economic life of five years, this fact determines the best alternative available at the time of its replacement. This second machine's identification in turn identifies the third, etc. Thus, a decision to buy is a decision in favor of an entire succession of future replacements.

When alternatives are selected for replacement purposes, it is necessary to establish a common time period over which a comparison can take place. This span of comparison is very difficult to ascertain when it depends upon economic factors, because the correct life of one machine in a sequence can be determined only when the life of its successor is known. This in turn can be found only when the life of the next following unit is known, etc.

A further problem in prediction concerns the selection of the challenger, which is defined as the best unit now available for replacement of the defender. This difficulty arises from the necessity of the challenger to eliminate not only presently available rivals, but also future rivals. This is important, because the challenger can claim its

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right to succeed the defender only when there is no future challenger worth waiting for. Thus, the challenger has two tasks; first, to displace the defender, and secondly, to defend itself against future rivals.

The core of the problem facing management is whether the defender should be replaced now or later. This decision cannot be made solely by considering the relationship between the current defender and challenger. Allowances must be made for future challengers as well. This means that predictions must be made of machines not now in existence. These estimates can be determined, as will be discussed later, by an examination of past rates of improvement.

### Concepts of Operating Inferiority and Adverse Minimum

Obsolescence is measured in terms of operating costs. With the passage of time, differences in operating costs will appear between a machine in service and its challenger. This difference can be called operating inferiority. Empirical studies indicate that operating inferiority tends to increase with age.

Another factor in replacement studies is the cost of capital. In terms of service life, it is obvious that capital costs are lower the longer the capital recovery period.

### Basic Assumptions for the Model

All mathematical models require basic assumptions upon which to build a structure. Equipment analysis, as presented here, predicates itself upon two assumptions, both of which are necessary to allow for the influence of equipment not now in existence.

A description of the attributes of future challengers is a problem of prediction. Such prediction can only come from the facts as they are known, through past experience. This extrapolation is basic to the first assumption which states that future challengers will have the same adverse minimum as the present one.

The second assumption is concerned with the behavior of operating inferiority. Although experience indicates an irregular year-to-year incidence of obsolescence and deterioration, trend lines can convert these values into a single, stable statistic. Our method projects this statistic into the future, thereby generalizing about subsequent challengers. Thus, the second assumption holds that the present challenger will accumulate operating inferiority at a constant rate over its service life.

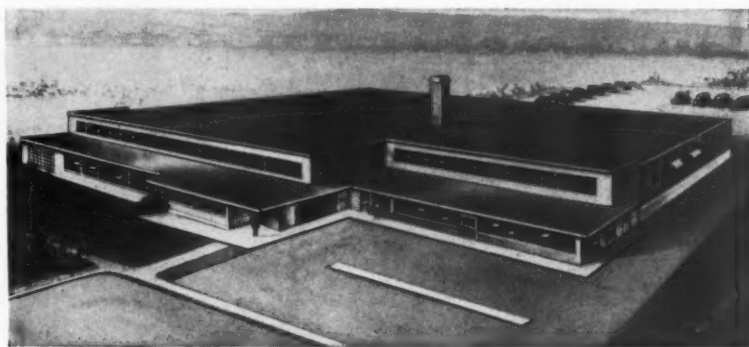
These two assumptions are basic to the development of a replacement formula which will be presented in a later article. This formula is a significant contribution to management techniques because it represents the first attempt to measure and evaluate the influence of future challengers in facilities replacement problems.

## Foreign Trade

(Continued from page 41)

which to buy our exports. For many years the United States has exported a great deal more than it has imported, and as a result many foreign countries now find themselves with an unfavorable balance of payments which has required them to curtail imports from the United States. To help friendly nations survive, the United States has provided many billions of dollars worth of goods and services at the expense of the American taxpayer. This aid cannot be continued indefinitely without weakening our own economy. Therefore, we must import if we are going to export our products without engaging in give-away programs.

Our industrial capacity is rapidly growing to meet the needs of the current defense efforts, yet at the same time we are endeavoring to continue to meet the requirements of civilian demands. What will happen when it no longer becomes necessary to produce for defense? This is a difficult question to answer at the present time yet now is the time we must begin to look ahead and think of ways to expand trade. The utilization of newly acquired skills and the maintenance of adequate employment opportunities for the citizens of the United States requires an expanding, not a contracting economy. Foreign trade, both exporting and importing, offers an excellent opportunity to continue utilizing a considerable part of our existing industrial capacity which undoubtedly will not be needed to meet our own civilian demands once the defense effort is completed. Not only will an expanded foreign trade benefit those industries who produce direct or indirect exports, but it will also benefit banks, insurance companies, customs brokers, transportation companies, warehouse owners, and farmers. Indirectly it will bring benefits to all citizens of Connecticut and the nation.



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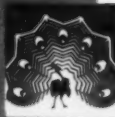
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**EDITOR'S NOTE:** This department, giving a partial list of peace-time products manufactured in Connecticut by company, seeks to facilitate contacts between prospective purchasers in domestic or foreign markets and producers. It includes only those listings ordered by Connecticut producers. Interested buyers may secure further information by writing this department.

(Advertisement)

<b>Accounting Forms</b>		<b>Artificial Leather</b>		<b>Bearings</b>	
Baker-Goodyear Co The	New Haven	Permatex Fabrics Corp The	Jewett City	Fafnir Bearing Co (ball)	New Britain
<b>Accounting Machines</b>		<b>Asbestos</b>		New Departure Div of General Motors (ball)	
Underwood Corporation	Bridgeport	Auburn Manufacturing Company The (gaskets, packings, wicks)		Bristol	
<b>Adding Machines</b>		Raybestos Div of Raybestos-Manhattan Inc The (brake linings, clutch facings, sheet packing and wick)		Norma-Hoffmann Bearings Corp (ball and roller)	
Underwood Corporation	Bridgeport	<b>Asbestos &amp; Rubber Packing</b>		<b>Bellows</b>	
<b>Advertising Specialties</b>		Colt's Manufacturing Company		Bridgeport Thermostat Company Inc (metallic)	
H C Cook Co The 32 Beaver St	Ansonia	<b>Assemblies—Small</b>		<b>Bellows Assemblies</b>	
Halco Co	New Haven	Greist Manufacturing Co The		Bridgeport Thermostat Company Inc	
Waterbury Companies Inc	Waterbury	Han-Dee Spring and Manufacturing Co The (Small)		<b>Bellows Shaft Seal Assemblies</b>	
<b>Aero Webbing Products</b>		J H Sessions & Son		Bridgeport Thermostat Company Inc	
Russell Mfg Co	Middletown	Wallace Barnes Co The Div Associated Spring Corp		<b>Bells</b>	
<b>Air Compressors</b>		<b>Auto Cable Housing</b>		Bevin Brothers Mfg Co	
Airline Manufacturing Company The	Warehouse Point	Wiremold Company The		Gong Bell Co The	
Spencer Turbine Co The	Hartford	<b>Automatic Control Instruments</b>		N N Hill Brass Co The	
<b>Air Conditioning</b>		Bristol Co The (temperature, pressure, flow, humidity, time)		<b>Belt Fasteners</b>	
Norwalk Airconditioning Corp The (forced air heating units oil fired)	South Norwalk	<b>Automobile Accessories</b>		Bristol Company The	
<b>Air Impellers</b>		Kilbourn-Sauer Company (lights and other accessories)		Saling Manufacturing Company (patented self-aligning)	
The Torrington Manufacturing Co	Torrington	Raybestos Div of Raybestos-Manhattan Inc The (brake, lining, rivet, brass, clutch facings, packing)		<b>Belting</b>	
<b>Aircraft</b>		<b>Automotive Bodies</b>		Hartford Belting Co	
Sikorsky Aircraft Division United Aircraft Corporation (helicopters)	Bridgeport	Metropolitan Body Company		Russell Mfg Co The	
<b>Aircraft Accessories</b>		<b>Automotive Friction Fabrics</b>		Thames Belting Co The	
Chandler Evans Division Niles-Bement-Pond Co (jet engine accessories, aircraft carburetors, fuel pumps, water pumps and Protek plugs)	West Hartford	Russell Mfg Co The		<b>Bends—Pipe or Tube</b>	
Manning Maxwell & Moore Inc (aircraft pressure switches and jet engine afterburner control systems)	Stratford	<b>Automotive Parts</b>		National Pipe Bending Co The	
<b>Aircraft Instruments</b>		Eis Manufacturing Co (Hydraulic and Mechanical)		160 River St New Haven	
Gorn Electric Company Inc	Stamford	<b>Automotive &amp; Service Station Equipment</b>		<b>Bent Wood Products</b>	
<b>Aircraft—Repair &amp; Overhaul</b>		Raybestos Div of Raybestos-Manhattan Inc The (brake service machinery)		Sorensen & Peters Inc	
Airport Department Pratt & Whitney Aircraft Division	Rentschler Field East Hartford	<b>Automotive Tools</b>		New Departure Div General Motors Corp	
United Airports Div United Aircraft Corp	Rentschler Field East Hartford	Eis Manufacturing Company		<b>Bicycle Coaster Brakes</b>	
<b>Air Ducts</b>		<b>Badges and Metals</b>		New Departure Div General Motors Corp	
Wiremold Co The (Retractable)	Hartford	<b>Bags—Paper</b>		<b>Bicycle Sundries</b>	
<b>Air Heaters—Direct Fired</b>		American Paper Goods Company The		New Departure Div General Motors Corp	
Peabody Engineering Corporation	Stamford	<b>Bakelite Moldings</b>		<b>Binders Board</b>	
<b>Aluminum Castings</b>		Watertown Mfg Co The		Colonial Board Company	
Consolidated Industries Inc	West Cheshire	<b>Balls</b>		<b>Biological Products</b>	
Eastern Malleable Iron Company The	Naugatuck	Albott Ball Co The (steel bearing and burnishing)		Ernst Bischoff Company Inc	
Newton-New Haven Co 688 Third Avenue	West Haven	Hartford Steel Ball Co The (steel bearing and burnishing, brass, bronze, monel, stainless aluminum)		<b>Blackening Salts for Metals</b>	
Charles Parker Company The	Meriden	Kilian Steel Ball Corp The		Eanthone Inc	
<b>Aluminum Forgings</b>		<b>Banbury Mixers</b>		Mitchell-Bradford Chemical Co	
Consolidated Industries Inc	West Cheshire	Farrel-Birmingham Company Inc		<b>Blades</b>	
Scovill Manufacturing Company	Waterbury 91	Abbott Ball Co The (burnishing and tumbling)		Capewell Manufacturing Company	
<b>Aluminum Ingots</b>		Hartford Steel Ball Co The (tumbling)		Division (hack saw and band saw)	
Lapides Metals Corp	New Haven	<b>Barrels—Tumbling</b>		<b>Blankets—Automatic</b>	
<b>Aluminum Lests</b>		Conn Metalcraft Inc		General Electric Company	
United States Rubber Company Shoe Hardware Division	Waterbury	<b>Bathroom Accessories</b>		<b>Bleaching, Dyeing, Printing &amp; Finishing</b>	
<b>Aluminum Paint</b>		Autoyre Company The		United States Finishing Company The (textile fabrics)	
Baer Brothers	Stamford	Charles Parker Co The		<b>Blocks</b>	
<b>Aluminum Paste</b>		<b>Batteries</b>		Howard Company (cupola fire clay)	
Baer Brothers	Stamford	Bond Electric Corporation Division of Olin Industries Inc (flashlight, radio, hearing aid and others)		<b>Blower Fans</b>	
<b>Aluminum—Sheets &amp; Coils</b>		Winchester Repeating Arms Co Division of Olin Industries Inc (flashlight, radio, hearing aid and others)		Colonial Blower Company	
United Smelting & Aluminum Co Inc	New Haven	<b>Beads and Buttons</b>		Spencer Turbine Co The	
<b>Ammunition</b>		Waterbury Companies Inc (metal)		<b>Blower Systems</b>	
Remington Arms Co Inc and Peters Cartridge Div	Bridgeport	<b>Blueprints and Photostats</b>		Colonial Blower Company	
Winchester Repeating Arms Company Division	New Haven	Joseph Merritt & Co		Ripley Co	
Olin Industries Inc	New Haven	<b>Boilers</b>		<b>Boils and Nuts</b>	
<b>Anodizing</b>		Bigelow Co The		Blake & Johnson Co The (nuts machine screw-bolts, stove)	
Conn Metal Finishing Co	Hamden	Petroleum Heat & Power Co (domestic only)		Clark Brothers Bolt Co	
<b>Anodizing—Aluminum</b>		<b>Bonderizing</b>		O K Tool Co Inc The (T-Slot)	
All Brite Chemical Co (also coloring)	Oakville	Clairglow Mfg Company		33 Hull St Shelton	
<b>Anodizing Equipment</b>		<b>Boilerizing</b>		<b>Boilerizing</b>	
Conn Metalcraft Inc	New Haven	Portland		Portland	
<b>Apparel Fabrics—Woolen &amp; Worsted</b>		<b>Boilerizing</b>		Portland	
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<b>Box Board</b>		Bridgeport Brass Co	Bridgeport	<b>Cages</b>	
Lydall & Foulds Paper Co The	Manchester	Chase Brass & Copper Co	Waterbury	Andrew B Hendryx Co The (bird and animal)	New Haven
National Folding Box Co Inc	New Haven	Plume & Atwood Mfg Co The	Thomaston	<b>Cams</b>	
Robertson Paper Box Co	Montville	Scovill Manufacturing Company	Waterbury 91	American Cam Company Inc	Hartford
Gair Company Inc Robert	Montville	Western Brass Mills Division of	Olin Industries Inc	Hartford Special Machinery Co The	Hartford
New Haven Pulp and Board Co The	New Haven	Whipple & Choate Company The	Bridgeport	Rowbottom Machine Company Inc	Waterbury
<b>Boxes</b>		<b>Brick-Building</b>		<b>Canvas Products</b>	
Airline Manufacturing Company (steel cash, bond, security and small boxes)	Warehouse Point	Donnelly Brick Co The	New Britain	F B Skiff Inc	Hartford
Claireglow Mfg Company (metal)	Portland	<b>Bricks-Fire</b>		<b>Capacitors</b>	
Connecticut Container Corporation	New Haven	Howard Company	New Haven	Electro Motive Mfg Co Inc The (mica & trimmer)	Willimantic
Gair Company Inc Robert (corrugated and solid fibre shipping containers)	Montville	Mullite Refractories Co The	Shelton	<b>Card Clothing</b>	
Merriam Mfg Co (steel cash, bond, security, fitted tool and tackle boxes)	Durham	<b>Bright Wire Goods</b>		Standard Card Clothing Co The (for textile mills)	Stafford Springs
Warner Bros Co The (Acetate, Paper, Acetate and Paper Combinations, Counter Display, Setup)	Bridgeport	Sargent & Company (Screw Eyes, Screw Hooks, Cup Hooks, Hooks and C H Hooks)	New Haven	<b>Carpenter's Tools</b>	
<b>Boxes and Crates</b>		<b>Broaching</b>		Sargent & Company (Planes, Squares, Plumb Bobs, Bench Screws, Clamps and Saw Vises)	New Haven
City Lumber Co of Bridgeport Inc The	Bridgeport	Hartford Special Machinery Co The	Hartford	<b>Carpet Cushion</b>	
<b>Boxes-Metal</b>		<b>Bronze Scrap</b>		Sponge Rubber Products Co Inc	Shelton
Merriam Mfg Co (Bond and Security, Cash and Utility, Personal Files and Drawer Safes)	Durham	Whipple & Choate Company The	Bridgeport	<b>Carpets and Rugs</b>	
<b>Boxes-Paper-Folding</b>		<b>Bronze Powders</b>		Bigelow-Sanford Carpet Co	Thompsonville
Atlantic Carton Corp	Norwich	<b>Brooms-Brushes</b>		<b>Casters</b>	
Bridgeport Paper Box Co	Bridgeport	Fuller Brush Co The	Hartford	Bassick Company The (Industrial and General)	Bridgeport
Carpenter-Hayes Paper Box Co Inc The	East Hampton	<b>Buckles</b>		<b>Casters-Industrial</b>	
Curtis & Sons Inc S	Sandy Hook	B Schwanda & Sons	Staffordville	George P Clark Co	Windsor Locks
Dowd Carton Co M S	Groton	G E Prentice Mfg Co The	Kensington	<b>Castings</b>	
Folding Cartons Incorporated (paped, folding)	Montville	Hatheway Mfg Co The (Dec Rings)	Bridgeport	Bradley & Hubbard Mfg Co The (grey iron, brass, bronze, aluminum)	Meriden
Gair Company Inc Robert	Versailles	Hawie Mfg Co The	Bridgeport	Connecticut Foundry Co (grey iron)	Rocky Hill
National Folding Box Co Inc (paper folding)	New Haven	John M Russell Mfg Co Inc	Naugatuck	Connecticut Malleable Castings Co (malleable iron castings)	New Haven
New Haven Pulp and Board Co The	New Haven	North & Judd Manufacturing Co	New Britain	Consolidated Industries Inc	West Cheshire
Robertson Paper Box Co	Montville	Patent Button Co The	Waterbury	Charles Parker Company The (grey iron, brass, bronze, aluminum)	Meriden
Warner Bros Co The	Bridgeport	United States Rubber Company	Shoe Hardware Division	Eastern Malleable Iron Company The (malleable iron, metal and alloy)	Naugatuck
<b>Boxes-Paper-Setup</b>		<b>Buffing Compounds</b>		Farrel-Birmingham Company Inc (Mechanite, Nodular Iron, Steel)	Ansonia
Box Shop Inc The	New Haven	Roberts Rouge Co The	Stratford	Gillette-Vibber The (grey iron, brass, bronze, aluminum, also Bronze Bashing Stocks)	New London
Bridgeport Paper Box Co	Bridgeport	<b>Buffing &amp; Polishing Compositions</b>		Plainville Casting Company (gray, alloy and high tensile irons)	Plainville
Heminway Corporation The	Waterbury	Apothecaries Hall Co	Waterbury	Revere Corporation of America (precision investment)	Wallingford
Strouse Adler Company The	New Haven	Lea Mfg Co	Waterbury	John M Russell Mfg Co Inc (brass, bronze and aluminum)	Naugatuck
Warner Bros Co The	Bridgeport	<b>Buffing Wheels</b>		Malleable Iron Fittings Co (malleable iron and steel)	New Haven
<b>Brake Cables</b>		Williamsville Buff Div The	Bullard Clark Danielson	McLagan Foundry Co (grey iron)	New Haven
Eis Manufacturing Co	Middletown	<b>Burners</b>		Meyer Iron and Brass Foundry Inc (grey iron)	Shelton
<b>Brake Linings</b>		Plume & Atwood Mfg Co The (kerosene oil lighting)	Waterbury	Newton-New Haven Co (zinc and aluminum)	688 Third Ave West Haven
Raybestos Div of Raybestos-Manhattan Inc The (automotive and industrial)	Bridgeport	<b>Burners-Automatic</b>		Philbrick-Booth & Spencer Inc (grey iron)	Hartford
Russell Mfg Co The	Middletown	Peabody Engineering Corporation	Stamford	Producto Machine Company The	Bridgeport
<b>Brake Service Parts</b>		<b>Burners-Cool and Oil</b>		Scovill Manufacturing Company (Brass & Bronze)	Waterbury 91
Eis Manufacturing Co	Middletown	Peabody Engineering Corporation (Combined)	Stamford	Sessions Foundry Co The (grey iron)	Bristol
<b>Brass &amp; Bronze</b>		<b>Burners-Gas</b>		Union Mfg Co (grey iron & semi steel)	New Britain
American Brass Co The (sheet, wire, rods, tubes)	Waterbury	Peabody Engineering Corporation (Blast Furnace)	Stamford	Waterbury Foundry Company The (highway & sash weights)	Waterbury
Bridgeport Brass Company (sheet, rod, wire and tubing)	Bridgeport	<b>Burners-Gas and Oil</b>		Wilcox Crittenden & Co Inc (gray iron and brass)	Middletown
Bristol Brass Corp The (sheet, wire, rods)	Bristol	Peabody Engineering Corporation (Combined)	Stamford	<b>Castings-Investment</b>	
Chase Brass & Copper Co	Waterbury	<b>Burners-Refinery</b>		Arwood Precision Casting Corp	Groton
Miller Company The (phosphor bronze and brass in sheets, strips, rolls)	Meriden	Peabody Engineering Corporation (For Gas and Oil)	Stamford	<b>Castings-Permanent Mould</b>	
Plume & Atwood Mfg Co The (sheet, wire, rod)	Thomaston	<b>Burnishing</b>		Bradley & Hubbard Mfg Co The (zinc and aluminum)	Meriden
Scovill Manufacturing Company	Waterbury 91	Abbott Ball Co The (Burnishing Barrells and Burnishing Media)	Hartford	Charles Parker Company The	Meriden
Tinsheet Metals Co The (sheets and rolls)	Waterbury	Pratt & Whitney Div Niles-Bement-Pond Co	West Hartford	<b>Cements-Refractory</b>	
Western Brass Mills Division of Olin Industries Inc (sheet, strip)	New Haven	<b>Burs</b>		Mullite Refractory Co The	Shelton
<b>Brass &amp; Bronze Ingot Metal</b>		<b>Buttons</b>		<b>Chain</b>	
Plume & Atwood Mfg Co The	Thomaston	B Schwanda & Sons	Staffordville	John M Russell Mfg Co Inc	Naugatuck
Whipple and Choate Company The	Bridgeport	Frank Parizek Manufacturing Co The	West Willington	<b>Chain-Welded and Weldless</b>	
<b>Brass, Bronze, Aluminum Castings</b>		Patent Button Co The	Waterbury	Bridgeport Chain & Mfg Co	Bridgeport
Charles Parker Company The	Meriden	Scovill Manufacturing Company (Uniform and Tack Fasteners)	Waterbury 91	<b>Chain-Bead</b>	
Victors Brass Foundry Inc	Guilford	Waterbury Companies Inc (Uniform and Fancy Dress)	Waterbury	Bead Chain Mfg Co The	Bridgeport
<b>Brass Goods</b>		<b>Cabinets</b>		H G H Products Co Inc	Shelton
American Brass Company The	Waterbury	Charles Parker Co The (medicine)	Meriden	<b>Chairs</b>	
Plume & Atwood Mfg Co The (to order)	Waterbury	<b>Cabinet Work</b>		The Hitchcock Chair Company	Riverton (Advt.)
Rostand Mfg Co The (Ecclesiastical Brass Wares)	Milford	Hartford Builders Finish Co	Hartford		
Scovill Manufacturing Company (to order)	Waterbury 91	<b>Cable-Asbestos Insulated</b>			
Western Brass Mills Division of Olin Industries Inc (to order)	New Haven	Rockbestos Products Corp	New Haven		
		<b>Cable-BX Armored</b>			
		General Electric Company	Bridgeport		
		<b>Cable-Nonmetallic Sheathed</b>			
		General Electric Company	Bridgeport		



# I T ' S M A D E I N C O N N E C T I C U T

## Chemical Manufacturing

Carwin Company The North Haven

### Chemicals

American Cyanamid Company Waterbury  
Apothecaries Hall Co Waterbury  
Carwin Company The North Haven  
Edcan Laboratories South Norwalk  
Macalaster Bicknell Company New Haven  
MacDermid Incorporated Waterbury  
Naugatuck Chemical Division United States  
Rubber Co Naugatuck  
New England Lime Company Canaan  
Pfizer & Co Inc Chas Groton

### Chemicals—Agriculture

Naugatuck Chemical Division United States  
Rubber Co (insecticides, fungicides, weed killers) Naugatuck

### Chemicals—Aromatic

Naugatuck Chemical Division United States  
Rubber Co Naugatuck

### Chemicals—Rubber

Robert J King Company Inc The Norwalk

### Christmas Light Clips

Foursome Manufacturing Company (various sizes and styles) Bristol

### Chromium Plating

Chromium Corp of America Waterbury  
Chromium Process Company The Shelton  
City Plating Works Inc Bridgeport

### Chucks

Cushman Chuck Co The Hartford  
Union Manufacturing Company New Britain

### Chucks & Face Plate Jaws

Union Mfg Co New Britain

### Chucks—Power Operated

Cushman Chuck Co The Hartford  
Union Manufacturing Company New Britain

### Clay

Howard Company (Fire Howard "B" and High Temperature Dry) New Haven

### Cleaning Compounds

Enthone Inc (Industrial) New Haven

### Cleansing Compounds

MacDermid Incorporated Waterbury

### Clock Mechanisms

Lux Clock Mfg Co The Waterbury

### Clocks

E Ingraham Co The Bristol  
Seth Thomas Clocks Thomaston  
United States Time Corporation The Waterbury

### Clocks—Alarm

Lux Clock Mfg Co The Waterbury

### Clocks—Automatic Cooking

Lux Clock Mfg Co The Waterbury

### Clutches

Snow-Nabstedt Gear Corp The New Haven

### Clutch Facings

Russell Mfg Co The Middletown

### Clutch—Friction

Raybestos Div of Raybestos-Manhattan Inc The (clutch facings—molded, woven, fabric, metallic) Bridgeport

### Coils—Pipe or Tube

National Pipe Bending Co The 160 River St New Haven  
Whitlock Manufacturing Co The Hartford

### Coin Tokens

Waterbury Companies Inc Waterbury

### Commercial Heat Treating

A F Holden Company The 52 Richard St West Haven

### Commercial Truck Bodies

Metropolitan Body Company Bridgeport

### Comparators

Pratt & Whitney Div Niles-Bement-Pond Co (Electro-limit and Air-O-Limit) West Hartford

### Compressors

Norwalk Company Inc (high pressure air and gas) South Norwalk

### Concrete Products

Plastricrete Corp Hamden

### Cones

Sonoco Products Co (Climax-Lowell Div) (Paper) Mystic

## Consulting Engineers

Stanley P Rockwell Co Inc The (Consulting) Hartford  
296 Homestead Ave

## Continuous Mill Gages

Pratt & Whitney Div Niles-Bement-Pond Co West Hartford

## Contract Manufacturing

Malleable Iron Fittings Company Branford

## Contract Manufacturers

Greist Mfg Co The (metal parts and assemblies) New Haven  
503 Blake St  
Merriam Mfg Co (production runs—metal boxes and containers to specifications) Durham  
Plume & Atwood Mfg Co The (metal parts & assemblies) Waterbury  
Scovill Manufacturing Company (metal parts and assemblies) Waterbury 91  
J H Sessions & Son Bristol

## Controllers

Bristol Company The Waterbury  
Manning Maxwell & Moore Inc Stratford

## Conveyor Systems

Leeds Electric & Mfg Co The East Haven  
Production Equipment Co Meriden

## Copper

American Brass Corp The (sheet, wire, rods, tubes) Waterbury  
Bridgeport Brass Company (sheet, rod, wire and tubing) Bridgeport  
Bristol Brass Corp The (steel) Bristol  
Chase Brass & Copper Co (sheet, rod, wire tube) Waterbury  
Thinsheet Metals Co The (sheets and rolls) Waterbury  
Western Brass Mills Division of Olin Industries Inc (sheet, strip) New Haven

## Copper Scrap

Whipple & Choate Company The Bridgeport

## Copper Sheets

American Brass Company The Waterbury  
New Haven Copper Co The Seymour

## Copper Shingles

New Haven Copper Co The Seymour

## Copper Water Tube

American Brass Company The Waterbury  
Bridgeport Brass Co Bridgeport

## Cords—Asbestos

General Electric Company Bridgeport

## Cords—Braided

General Electric Company Bridgeport

## Cords—Heater

General Electric Company Bridgeport

## Cords—Portable

General Electric Company Bridgeport

## Cord Sets

Seeger-Williams Inc Bridgeport

## Cord Sets—Electric

General Electric Company Bridgeport

## Cork Cots

Sonoco Products Co (Climax-Lowell Div) Mystic

## Corrugated Box Manufacturers

Connecticut Container Corporation New Haven

## Corrugated Shipping Cases

Connecticut Container Corporation New Haven  
Connecticut Corrugated Box Div Robert Gair Co Inc Portland  
D L & D Container Corp 87 Shelton Ave New Haven

## Cosmetic Containers

Evelet Specialty Co The Waterbury  
Plume & Atwood Mfg Co The (metal) Waterbury

## Cosmetics

J B Williams Co The Glastonbury  
Northam Warren Corporation Stamford

## Cotton and Asbestos Wicking

Bland Burner Co The Hartford

## Cotton Yarn

Floyd Cranska Co The Moosup

## Counting Devices

Veeder-Root Inc Hartford

## Couplings—Self-Sealing

Sperry Products Inc Danbury

## Cranes and Conveyors

I-B Engineering Sales Co New Haven

## Crushers

Farrel-Birmingham Company Inc (Stone and Ore) Ansonia

## Cups—Paper

American Paper Goods Company The ("Puritans") Kensington

## Cushioning for Packaging

Gilman Brothers Co The Gilman

## Cut Stone

Dextone Co The New Haven

## Cutters

Barnes Tool Company The (pipe cutters, hand) New Haven  
O K Tool Co Inc The (inserted tooth milling) Shelton  
33 Hull St  
Pratt & Whitney Div Niles-Bement-Pond Co (Milling Cutters all types) West Hartford

## Decorative Plating and Polishing

City Plating Works Inc Bridgeport

## Delayed Action Mechanism

M H Rhodes Inc Hartford  
R W Cramer Company Inc The Centerbrook

## Deminerallizers

Crystal Research Laboratories Hartford

## Diamonds—Industrial

Diamond Tool and Die Works Hartford

## Dictating Machines

Dictaphone Corporation Bridgeport  
Gray Manufacturing Company The Hartford  
Soundscriber Corporation The New Haven

## Die Castings

Newton-New Haven Co Inc New Haven

## Die Casting Dies

ABA Tool & Die Co Manchester  
Parker Stamp Works Co The Hartford  
Weimann Bros Mfg Co The Derby

## Die Castings (Aluminum & Zinc)

Corbin Cabinet Lock Div American Hardware Corp New Britain  
Stewart Die Casting Div Stewart Warner Corp Bridgeport

## Die Castings—Zinc

Charles Parker Company The Meriden

## Die-Heads—Self Opening

Eastren Machine Screw Corp The Truman & Barclay Sts New Haven

## Die Polishing Machinery

Hartford Special Machinery Co The Hartford

## Die Sets

Pratt & Whitney Div Niles-Bement-Pond Co (Precision) West Hartford  
Producto Machine Company The Bridgeport  
Union Mfg Co (precision, steel and semi-steel) New Britain

## Dies

Hoggson & Pettis Mfg Co The 141 Brewery St New Haven  
Parker Stamp Works Inc The (plastics and die castings) Hartford  
Pratt & Whitney Div Niles-Bement-Pond Co (Monocone and Ducone Dies) West Hartford

## Die Sinks

Pratt & Whitney Div Niles-Bement-Pond Co West Hartford

## Dies and Die Sinking

Consolidated Industries West Cheshire

## Dish Drying Machines

Colt's Manufacturing Company Hartford

## Dish Washing Machines

Colt's Manufacturing Company Hartford

## Disk Harrows

Orkil Inc—Cutaway Harrow Division Higganum

## Displays—Metal

Merriam Mfg Co (Contract Work to Individual Specifications) Durham (Advt.)



# IT'S MADE IN CONNECTICUT

<b>Door Closers</b>		<b>Electric Switches</b>		<b>Envelopes—Stock and Special</b>	
P & F Corbin Division The American Hardware Corp	New Britain	Arrow-Hart & Hegeman Electric Co The	Hartford	American Paper Goods Company The	Kensington
Sargent & Company	New Haven	General Electric Company	Bridgeport		
Vale & Towne Manufacturing Company The	Stamford				
<b>Dowel Pins</b>		<b>Electric Time Controls</b>		<b>Extractors—Tap</b>	
Allen Manufacturing Co The	Hartford	R W Cramer Company Inc The	Centerbrook	Walton Company The	West Hartford
Holo-Krome Screw Corp The	West Hartford				
<b>Drafting Accessories</b>		<b>Electric Timers</b>		<b>Eyelets</b>	
Joseph Merritt & Co	Hartford	Sessions Clock Co The	Forestville	American Brass Company The	Waterbury
				Platt Bros & Co The P O Box 1030	Waterbury
<b>Drilling Machines</b>		<b>Electric Timing Motors</b>		Plume & Atwood Mfg Co The	Waterbury
Pratt & Whitney Div Niles-Bement-Pond Co (Deep Hole)	West Hartford	Sessions Clock Co The (small)	Forestville	Scovill Manufacturing Company	Waterbury 91
				<b>Eyelets, Ferrules and Wiring Terminals</b>	
<b>Drilling and Tapping Machinery</b>		<b>Electric Wire</b>		American Brass Company The	Waterbury
Hartford Special Machinery Co The	Hartford	General Electric Company	Bridgeport	Waterbury Companies Inc	Waterbury
		Rockbestos Products Corp (asbestos insulated)	New Haven		
<b>Drop Forgings</b>		<b>Electric Wiring Devices</b>		<b>Eyelet Machine Products</b>	
Atwater Mfg Co	Plantsville	Arrow-Hart & Hegeman Electric Co The	Hartford	Ball & Socket Mfg Co The	West Cheshire
Bridgeport Hdwe Mfg Corp The	Bridgeport	General Electric Company	Bridgeport	American Brass Company The	Waterbury
Capewell Mfg Company	Hartford			Waterville Mfg Co The (size 15 machines only)	Waterville
Consolidated Industries	West Cheshire				
Wilcox Crittenden & Co Inc	Middletown				
<b>Druggists' Rubber Sundries</b>		<b>Electrical Circuit Breakers</b>		<b>Fabricated Alloys</b>	
Seamless Rubber Company The	New Haven	Federal Electric Products Co Inc	Hartford	Rolock Inc (Heat Treating, Finishing)	Fairfield
<b>Duplicating Machines—Automatic</b>		<b>Electrical Conduit Fittings &amp; Grounding Specialties</b>		<b>Fancy Dress Buttons and Buckles</b>	
Pratt & Whitney Div Niles-Bement-Pond Co	West Hartford	Gillette-Vibber Company The	New London	Waterbury Companies Inc	Waterbury
<b>Elastic Webbing</b>		<b>Electrical Control Apparatus</b>		<b>Fans—Electric</b>	
Russell Mfg Co The	Middletown	Federal Electric Products Co Inc	Hartford	General Electric Company	Bridgeport
<b>Electric Cables</b>		<b>Electrical Goods</b>		<b>Fasteners—Slide &amp; Snap</b>	
Rockbestos Products Corp (asbestos insulated)	New Haven	A C Gilbert Co	New Haven	G E Prentice Mfg Co The	Kensington
				Scovill Manufacturing Company (snap and slide fasteners)	Waterbury 91
<b>Electric Clocks</b>		<b>Electrical Insulation</b>		<b>Felt</b>	
Sessions Clock Co The (alarm, kitchen, occasional and office)	Forestville	Stevens Paper Mills Inc The	Windsor	Auburn Manufacturing Company The (mechanical, cut parts)	Middletown
				Drycor Felt Company (paper makers and industrial)	Staffordville
<b>Electric—Commutators &amp; Segments</b>		<b>Electrical Motors</b>		<b>Felt—All Purpose</b>	
Cameron Elec Mfg Co The (rewinding motors)	Ansonia	U S Electrical Motors Inc	Milford	American Felt Co (Mill & Cutting Plant)	Glenville
				Chas W House & Sons Inc (Mills & Cutting Plant)	Unionville
<b>Electric Cord Springs</b>		<b>Electrical Outlet and Switch Boxes, and Covers</b>		<b>Fenders—Boat</b>	
Bristol Spring Manufacturing Co	Plainville	General Electric Company	Bridgeport	Sponge Rubber Products Co Inc	Shelton
		Bristol Co The	Waterbury		
<b>Electric Cords</b>		<b>Electrical Recorders</b>		<b>Fibre Board</b>	
General Electric Company	Bridgeport			Case Brothers Inc	Manchester
Rockbestos Products Corp (asbestos insulated)	New Haven			C H Norton Co The	North Westchester
				Rogers Corporation (Specialty)	Manchester
<b>Electric Eye Control</b>		<b>Electrical Relays and Controls</b>		Stevens Paper Mills Inc The	Windsor
United Cinephone Corporation	Torrington	Allied Control Co	Plantsville		
				<b>Finger Nail Clippers</b>	
<b>Electric Fixture Wire</b>		<b>Electrical Wiring Systems</b>		H C Cook Co The	32 Beaver St Ansonia
General Electric Company	Bridgeport	Wiremold Co The	Hartford		
Rockbestos Products Corp (asbestos insulated)	New Haven			<b>File Cards</b>	
				Standard Card Clothing Co The	Stafford Springs
<b>Electric Hand Irons</b>		<b>Electronics</b>			
Winsted Hardware Mfg Co (trade mark "Durable")	Winsted	Gray Manufacturing Company The	Hartford	<b>Firearms</b>	
		Ripley Co	Middletown	Colt's Manufacturing Company	Hartford
<b>Electric Insulation</b>		Sturup Larrabee & Warmers Inc	Middletown	Marlin Firearms Co The	New Haven
Case Brothers Inc	Manchester			O F Mosberg & Sons Inc	New Haven
Rogers Corporation The	Manchester			Remington Arms Company Inc	Bridgeport
				Winchester Repeating Arms Company Division	New Haven
<b>Electric Knife Sharpeners</b>		<b>Electroplating Processes &amp; Supplies</b>		Olin Industries Inc	New Haven
Gorn Electric Company Inc The	Stamford	Enthone Inc	New Haven		
		United Chromium Incorporated	Waterbury	<b>Fire Hose</b>	
<b>Electric Lighting Fixtures</b>		<b>Electrotypes</b>		Fabrics Fire Hose (municipal and industrial)	Sandy Hook
Fan-Craft Mfg Co (residential, church, post lanterns)	Plainville	W T Barnum & Co Inc (all classes)	New Haven		
Plume & Atwood Mfg Co The	Waterbury	New Haven Electrotype Div Electrographic Corp	New Haven	<b>Fireplace Goods</b>	
				American Windshield & Specialty Co The	Milford
<b>Electric Motor Controls</b>		<b>Elevators</b>		John P Smith Co The (screens) 423-33 Chapel St	New Haven
Arrow-Hart & Hegeman Electric Co The	Hartford	Eastern Machinery Co The (passenger and freight)	New Haven		
		General Elevator Service Co	Hartford	<b>Fireproof Floor Joists</b>	
<b>Electrical Outlet and Switch Boxes, and Covers</b>		<b>Enameling</b>		Dextone Co The	New Haven
General Electric Company	Bridgeport	Conn Metal Finishing Co	Hamden		
		Waterbury Plating Company	Waterbury	<b>Fireworks</b>	
<b>Electric Panel Boards</b>		<b>Enameling and Finishing</b>		M Backes' Sons Inc	Wallingford
Federal Electric Products Co Inc	Hartford	Claireglow Mfg Co	Portland		
				<b>Fishing Tackle</b>	
<b>Electric Safety Switches</b>		<b>Enamels</b>		Bevin-Wilcox Line Co The (lines)	East Hampton
Federal Electric Products Co Inc	Hartford	Baer Brothers	Stamford	H C Cook Co The 32 Beaver St	Ansonia
				Horton Mfg Co The (reels, rods, lines)	Bristol
<b>Electric Shavers</b>		<b>End Milling Cutters</b>			
Schick Incorporated	Stamford	Pratt & Whitney Div Niles-Bement-Pond Co	West Hartford	<b>Flashlights</b>	
				Bond Electric Corporation Division of Olin Industries Inc	New Haven
<b>Electric Signs</b>		<b>Engines</b>		Bridgeport Metal Goods Mfg Co	Bridgeport
United Advertising Corp	New Haven	Pratt & Whitney Aircraft Div United Aircraft Corp (aircraft)	East Hartford	Winchester Repeating Arms Company Division	New Haven
		Wolverine Motor Works Inc (diesel stationary marine)	Bridgeport	Olin Industries Inc	New Haven
		<b>Envelopes</b>		<b>Flat Springs</b>	
		Curtis 1000 Inc	Hartford	Bristol Spring Manufacturing Co	Plainville
		United States Envelope Company	Hartford		
		Hartford Division	Hartford	<b>Flexible Shaft Machines</b>	
				Pratt & Whitney Div Niles-Bement-Pond Co	West Hartford (Advt.)



# IT'S MADE IN CONNECTICUT

**Floor & Ceiling Plates**  
Beaton & Cadwell Mfg Co The New Britain

**Fluorescent Lighting Equipment**  
Vanderman Manufacturing Co The West Hartford  
Wiremold Company The Hartford

**Food Mixing Machines**  
Colt's Manufacturing Company Hartford

**Forgings**  
Clark Brothers Bolt Co Middale  
Consolidated Industries Inc West Cheshire  
Heppenstall Co (all kinds and shapes) Bridgeport

Scovill Manufacturing Company (Non-ferrous) Waterbury 91

**Foundries**  
Connecticut Malleable Castings Co (malleable iron castings) New Haven  
Farrel-Birmingham Company Inc (Iron and Steel) Ansonia  
Charles Parker Company The (iron, brass, bronze, aluminum) Meriden  
Plainville Casting Company (gray, alloy and high tensile irons) Plainville  
Producto Machine Company The Bridgeport  
Sessions Foundry Co The (iron) Bristol  
Union Mfg Co (gray iron & semi steel) New Britain

Wilcox Crittenden & Co Inc (iron, brass, aluminum and bronze) Middletown

**Foundry Riddles**  
John P Smith Co The 423-33 Chapel St New Haven  
Rolock Inc (brass, galvanized steel) Fairfield

**Fuel Oil Pump and Heater Sets**  
Peabody Engineering Corporation Stamford

**Furnaces**  
Norwalk Airconditioning Corp The (warm air oil fired) South Norwalk

**Furnace Linings**  
Mullite Refractories Co The (refractories, super refractories) Shelton

**Fuses—Plug and Cartridge**  
General Electric Company Bridgeport

**Gage Blocks**  
Fonda Gage Company (Fonda lifetime-carbide and steel) Stamford  
Pratt & Whitney Div Niles-Bement-Pond Co (Alloy steel and Carbide, Hoke and USA) West Hartford

**Galvanizing**  
Malleable Iron Fittings Co Branford  
Wilcox Crittenden & Co Inc Middletown

**Galvanizing & Electrical Plating**  
Gillette-Vibber Co The New London

**Gaskets**  
Auburn Manufacturing Company The (from all materials) Middletown  
Raybestos Div of Raybestos-Manhattan Inc The Bridgeport  
Tsingris Manufacturing & Supply Co Inc (from all materials) Waterbury

**Gas Range Conversion Burner**  
Holyoke Heater Corp of Conn., Inc Hartford

**Gas Scrubbers, Coolers and Absorbers**  
Peabody Engineering Corporation Stamford

**Gauges**  
Bristol Co The (pressure and vacuum—recording automatic control) Waterbury  
Fonda Gage Company (special) Stamford  
Helicoid Gage Division American Chain & Cable Co The (pressure and vacuum) Bridgeport  
Manning Maxwell & Moore Inc Stratford  
Pratt & Whitney Div Niles-Bement-Pond Co (Precision Measurement, all types) West Hartford

**Gears and Gear Cutting**  
Farrel-Birmingham Company Inc Ansonia  
Hartford Special Machinery Co The Hartford

**Glass Blowing**  
Macalaster Bicknell Company New Haven

**Glass Cutters**  
Fletcher-Terry Co The Forestville

**Golf Equipment**  
Horton Mfg Co The (clubs, shafts, balls, bags) Bristol

**Greeting Cards**  
A D Steinbach & Sons Inc New Haven

**Grinding**  
Centerless Grinding Co Inc The (Precision custom grinding; centerless, cylindrical, surfaces, internal and special) Bridgeport  
19 Staples St Bridgeport

Farrel-Birmingham Company Inc (Roll and Cylindrical) Ansonia  
Hartford Special Machinery Co The (gears, threads, cams and splines) Hartford

**Grinding Heads—Internal**  
Pratt & Whitney Div Niles-Bement-Pond Co (Pneumatic, High Speed) West Hartford

**Grinding Machines**  
Farrel-Birmingham Company Inc (Roll) Ansonia  
Pratt & Whitney Div Niles-Bement-Pond Co (Surface, Die, Gear and Cutter Grinders) West Hartford  
Rowbottom Machine Company Inc (cam) Waterbury

**Grommets**  
American Brass Company The Waterbury  
Plume & Atwood Mfg Co The Waterbury

**Guards for Machinery**  
Wheeler Co The G E New Haven

**Hack and Band Saw Blades**  
Capewell Manufacturing Co The Hartford

**Hand Tools**  
Bridgeport Hdwe Mfg Corp The (nail pullers, scout axes, box opening tools, trowels, coping saws, putty knives) Bridgeport  
James J Ryan Tool Works The (screwdrivers, machinists' punches, cold chisels, scratch awls and nail sets) Southington

**Hard Chrome**  
City Plating Works Inc Bridgeport

**Hardness Testers**  
Wilson Mechanical Instrument Div American Chain & Cable Company Inc Bridgeport

**Hardware**  
Bassick Company The (Automotive) Bridgeport  
Harloc Products Corp New Haven  
P & F Corbin Division The American Hardware Corp (builders) New Britain  
Sargent & Company New Haven  
Wilcox Crittenden & Co Inc (marine heavy and industrial) Middletown  
Yale and Towne Manufacturing Company The (builders) Stamford

**Hardware—Marine & Bus**  
Rostand Mfg Co The Milford

**Hardware—Trailer Cabinet**  
Excelsior Hardware Co The Stamford

**Hardware, Trunk & Luggage**  
Corbin Cabinet Lock Div American Hardware Corp New Britain  
J H Sessions & Son Bristol  
Yale & Towne Manufacturing Company The Stamford

**Hat Machinery**  
Doran Bros Inc Danbury

**Health Surgical & Orthopedic Supports**  
Berger Brothers Company The (custom made for back, breast, and abdomen) New Haven

**Heat Exchangers**  
Whitlock Manufacturing Co The Hartford

**Heat Elements**  
Safeway Heat Elements Inc (woven wire resistance type) Middletown

**Heat Treating**  
A F Holden Co The 52 Richard St West Haven  
Bennett Metal Treating Co The Elmwood  
1945 New Britain Ave  
New Britain-Gridley Machine Division  
The New Britain Machine Co New Britain  
Stanley P Rockwell Co Inc The Hartford  
296 Homestead Ave

**Heat-Treating Equipment**  
Bauer & Company Hartford  
A F Holden Company The 52 Richard Street West Haven (Main Plant) Oakville  
Autoyre Company The Fairfield  
The Rolock Inc (Baskets, Muffles, etc.) Fairfield  
Stanley P Rockwell Co Inc The (commercial) Hartford  
296 Homestead Ave  
Wallace Barnes Co The Div Associated Spring Corp Bristol

**Heat Treating Salts and Compounds**  
A F Holden Company The  
52 Richard Street West Haven  
Mitchell-Bradford Chemical Co Bridgeport

**Heating Apparatus**  
Miller Company The (domestic oil burners and heating devices) Meriden

**Heating and Cooling Coils**  
G & O Manufacturing Co New Haven

**Heavy Chemicals**  
Naukatuck Chemical Division United States Rubber Co (sulphuric, nitric and muriatic acids and aniline oil) Naukatuck

**Hex-Socket Screws**  
Bristol Company The Waterbury  
Holo-Krome Screw Corp The West Hartford

**Highway Guard Rail Hardware**  
Malleable Iron Fittings Co Branford

**Hinges**  
Homer D Bronson Company Beacon Falls

**Hobs and Hobbings**  
ABA Tool & Die Co Manchester  
Pratt & Whitney Div Niles-Bement-Pond Co (Die and Thread Milling) West Hartford

**Hoists**  
J-B Engineering Sales Co New Haven

**Hoists and Trolleys**  
Union Mfg Company New Britain

**Home Laundry Equipment**  
General Electric Company Bridgeport

**Hose—Flexible Metallic**  
American Brass Co  
American Metal Hose Branch Waterbury

**Hose Supporter Trimmings**  
Hawie Mfg Co The (So-Lo Grip Tabs) Bridgeport

**Hospital Signal Systems**  
Conn Telephone & Electric Corp Subsidiary of Great American Industries Inc Meriden

**Hot Water Heaters**  
Petroleum Heat & Power Co (Instantaneous domestic oil burner) Stamford

**Hydraulic Brake Fluids**  
Eis Manufacturing Co Middletown

**Hydraulic Controls**  
Sperry Products Inc Danbury

**Inductors**  
C G S Laboratories Inc Stamford

**Industrial Finishes**  
Atlas Powder Co Zapon Div Stamford  
Chemical Coatings Corporation Rocky Hill  
United Chromium Incorporated Waterbury

**Industrial and Masking Tapes**  
Seamless Rubber Company The New Haven

**Industrial Tools—Powder Actuated**  
Remington Arms Company Inc Bridgeport

**Infra-Red Equipment**  
Leeds Electric and Mfg Co The Hartford

**Insecticides**  
American Cyanamid Company Waterbury  
Darworth Incorporated ("Coracide" DDT Dispenser) Simsbury

**Insecticide Bomb**  
Bridgeport Brass Company (Aer\*a\*sol) Bridgeport

**Insulated Wire & Cable**  
General Electric Company Bridgeport  
Kerite Company The Seymour

**Insulated Wire & Cable Machinery**  
Davis Electric Company Wallingford

**Instruments**  
Bristol Company The Waterbury  
J-B-T Instruments Inc (Electrical and Temperature) New Haven  
Manning Maxwell & Moore Inc Stratford

Pratt & Whitney Div Niles-Bement-Pond Co (Precision Measuring) West Hartford

**Insulation**  
Gilman Brothers Co The Gilman (Advt.)



# IT'S MADE IN CONNECTICUT

## Inter-Communications Equipment

Conn Telephone & Electric Corp Subsidiary of  
Great American Industries Inc Meriden

### Interval Timers

Lux Clock Manufacturing Company Waterbury  
Rhodes Inc M H Hartford

### Ironing Machines—Electric

General Electric Company Bridgeport

### Jacquard

Case Brothers Inc Manchester

### Japanning

J H Sessions & Son Bristol

### Jig Borer

Moore Special Tool Co (Moore) Bridgeport  
Pratt & Whitney Div Niles-Bement-Pond Co West Hartford

### Jig Grinder

Moore Special Tool Co (Moore) Bridgeport

### Jointing

Raybestos Div of Raybestos-Manhattan Inc The  
(compressed sheets) Bridgeport

### Keller Machines

Pratt & Whitney Div Niles-Bement-Pond Co  
West Hartford

### Key Blanks

Corbin Cabinet Lock Div American Hardware  
Corp New Britain  
Sargent & Company New Haven  
Yale & Towne Manufacturing Company The  
Stamford

### Labels

J & J Cash Inc (Woven) South Norwalk  
Naugatuck Chemical Division United States  
Rubber Co (for rubber articles) Naugatuck

### Label Moisteners

Better Packages Inc Shelton

### Laboratory Equipment

Eastern Industries Inc New Haven

### Laboratory Supplies

Macalaster Bicknell Company New Haven

### Laces

Wilcox Lace Corporation The Middletown

### Laces and Nettings

Wilcox Lace Corporation The Middletown

### Lacquers & Synthetic Enamels

Atlas Powder Co Zapon Div Stamford  
Baer Brothers Stamford  
Chemical Coatings Corporation Rocky Hill  
Dagmar Chemical Company Inc Glenbrook  
United Chromium Incorporated Waterbury

### Ladders

A W Flint Co 196 Chapel St New Haven

### Lamps

Plume & Atwood Mfg Co The (metal oil)  
Waterbury

### Lampholders—Incandescent and Fluorescent

General Electric Company Bridgeport

### Lamp Shades

Verplex Company The Essex

### Lathes—Contin-U-Matic

Bullard Company The (vertical multi-spindle-  
continuous turning type) Bridgeport

### Lathes—30H Man-Au-Trol

Bullard Company The (horizontal 3 spindle)  
Bridgeport

### Lathes—Mult-Au-Matic

Bullard Company The (vertical multi-spindle-  
indexing type) Bridgeport

### Lathes—Toolroom and Automatic

Pratt & Whitney Div Niles-Bement-Pond Co  
West Hartford

### Lathes—Vertical Turret

Bullard Company The (single spindle)  
Bridgeport

### Laundry Roll Covers

Atlas Powder Co Zapon Div Stamford

### Lead Plating

Christie Plating Co The Groton

### Leather

Herman Roser & Sons Inc (Genuine Pigskin)  
Glastonbury  
Geo A Shepard & Sons Co The (sheepskin,  
shoe upper, garment, grain and suede) Bethel

### Leather Dog Furnishings

Andrew B Hendryx Co The New Haven  
The Smith-Worthington Saddlery Co Hartford

### Leather Goods Trimmings

G E Prentice Mfg Co The Kensington

### Leather, Mechanical

Auburn Manufacturing Company The (pack-  
ings, cubs, washers, etc) Middletown

### Letterheads

Lehman Brothers Inc (designers, engravers,  
lithographers) New Haven

### Lighting Accessories—Fluorescent

General Electric Company Bridgeport

### Lighting Equipment

Miller Co The (Miller, Duplexlite, Ivanhoe)  
Meriden  
United Manufacturing Co New Haven

### Lime

New England Lime Company Canaan

### Lipstick Containers

Bridgeport Metal Goods Mfg Co Bridgeport

### Lithographers

O'Toole & Sons Inc T Stamford

### Lithographing

Kellogg & Bulkeley A Division of Connecticut  
Printers Inc Hartford  
Lehman Brothers Inc New Haven  
A D Steinbach & Sons New Haven

### Locks—Banks

Yale & Towne Manufacturing Company The  
Stamford

### Locks—Builders

Eagle Lock Co The Terryville  
P & F Corbin Division The American Hard-  
ware Corp New Britain  
Sargent & Company New Haven  
Yale & Towne Manufacturing Company The  
Stamford

### Locks—Cabinet

Eagle Lock Co The Terryville  
Corbin Cabinet Lock Div American Hard-  
ware Corp New Britain  
Excelior Hardware Co The Stamford  
Yale & Towne Manufacturing Company The  
Stamford

### Locks—Special Purpose

Eagle Lock Co The Terryville  
Yale & Towne Manufacturing Company The  
Stamford

### Locks—Suitcase

Eagle Lock Co The Terryville

### Locks—Suit-Case and Trimmings

Corbin Cabinet Lock Div American Hardware  
Corp New Britain  
Excelior Hardware Co The Stamford

### Locks—Trunk

Eagle Lock Co The Terryville  
Yale & Towne Manufacturing Company The  
Stamford  
Excelior Hardware Co The Stamford  
Yale & Towne Manufacturing Company The  
(and suitcase) Stamford

### Locks—Zipper

Excelior Hardware Co The Stamford

### Loom—Non-Metallic

Wiremold Company The Hartford

### Luggage Fabric

Falls Company The Norwich

### Lumber & Millwork Products

City Lumber Co of Bridgeport Inc Bridgeport

### Machetes

Collins Company The Collinsville

### Machine Tools

Bullard Company The Bridgeport  
Pratt & Whitney Div Niles-Bement-Pond Co  
West Hartford  
Producto Machine Company The Bridgeport

### Machine Work

Farrel-Birmingham Company Inc Ansonia  
Fenn Manufacturing Company The (precision  
parts) Hartford  
Hartford Special Machinery Co The (contract  
work only) Hartford  
National Sherardizing & Machine Co (job)  
Hartford  
Parker Stamp Works Inc The (Special)  
Hartford  
Swan Tool & Machine Co The Hartford  
Torrington Manufacturing Co The (special roll-  
ing mill machinery) Torrington

### Machinery

Fenn Manufacturing Company The (special)  
Hartford  
Globe Tapping Machine Company (dial type  
drilling and tapping) Bridgeport  
Hallden Machine Company The (mill)  
Thomaston  
Torrington Manufacturing Co The (mill)  
Torrington

### Machinery—Bolt and Nut

Waterbury Farrel Foundry & Machine Co The  
Waterbury

### Machinery—Cold Heading

Waterbury Farrel Foundry & Machine Co The  
Waterbury

### Machinery Dealers & Rebuilders

Botwinik Brothers New Haven  
J L Lucas and Son Fairfield  
State Machinery Co Inc New Haven

### Machinery—Extruding

Standard Machinery Co The Mystic

### Machinery—Metal-Working

Bristol Metal-Working Equipment Hartford  
Waterbury Farrel Foundry & Machine Co The  
Waterbury  
Pratt & Whitney Div Niles-Bement-Pond Co  
West Hartford

### Machinery—Nut

Waterbury Farrel Foundry & Machine Co The  
(forming and tapping) Waterbury

### Machinery—Screw and Rivet

Waterbury Farrel Foundry & Machine Co The  
Waterbury

### Machinery—Wire Drawing

Waterbury Farrel Foundry & Machine Co The  
Waterbury

### Machinery—Wire Straightening

Mettler Machine Tool Inc New Haven

### Machines

Campbell Machine Div American Chain & Cable  
Co Inc (cutting & nibbling) Bridgeport  
Coulter & McKenzie Machine Co The (special,  
new development engineering design and con-  
struction) Bridgeport  
Patent Button Company The Waterbury

### Machines—Automatic

A H Nilson Mach Co The (Special) Bridgeport

### Machines—Automatic Chucking

Bullard Company The Bridgeport  
New Britain-Gridley Machine Division  
The New Britain Machine Co (multiple  
spindle and double end) New Britain  
Pratt & Whitney Div Niles-Bement-Pond Co  
(Potter & Johnson) West Hartford

### Machines—Automatic Screw

New Britain-Gridley Machine Division  
The New Britain Machine Co (single and  
multiple spindle) New Britain

### Machines—Automatic Shaft Turning

Bullard Company The (30H lathe—horizontal  
3 spindle) Bridgeport

### Machines—Brushing

Fuller Brush Co The Hartford

### Machines—Conveyor

Bullard Company The (Bullard-Dunn rotary  
conveyor indexing type) Bridgeport

### Machines—Contin-U-Matic

Bullard Company The (vertical multi-spindle—  
continuous turning) Bridgeport

### Machines—Draw Benches

Fenn Manufacturing Company The Hartford

### Machines—Drill Spacing

Bullard Company The (Man-Au-Trol spacer—  
used in conjunction with radical drills)  
Bridgeport

### Machines—Drop Hammers

Fenn Manufacturing Company The Hartford

### Machines—Forming

A H Nilson Mach Co The (four-slide wire and  
ribbon stock) Bridgeport

### Machines—Mult-Au-Matic

Bullard Company The Bridgeport

### Machines—Paper Ruling

John McAdams & Sons Inc Norwalk

### Machines—Pipe & Bolt Threading

Capewell Mfg Co The Hartford  
(Advt.)



# I T ' S M A D E I N C O N N E C T I C U T

<b>Machines—Precision Boring</b>	
New Britain-Gridley Machine Division	New Britain
The New Britain Machine Co	New Britain
<b>Machines—Rolling</b>	
Fenn Manufacturing Company The	Hartford
<b>Machines—Slotting</b>	
Globe Tapping Machine Company The	(High Production Screw Head Slotting) Bridgeport
Waterbury Farrel Foundry & Machine Co The	(screw head) Waterbury
<b>Machines—Special</b>	
Fuller Brush Co The	Hartford
<b>Machines—Swaging</b>	
Fenn Manufacturing Company The	Hartford
<b>Machines—Thread Rolling</b>	
Hartford Special Machinery Co The	Hartford
Waterbury Farrel Foundry & Machine Co The	Waterbury
<b>Machines—Turks Head</b>	
Fenn Manufacturing Company The	Hartford
<b>Machines—Well Drilling</b>	
Consolidated Industries	West Cheshire
<b>Machines—Wire Drawing</b>	
Fenn Manufacturing Company The	Hartford
<b>Mail Boxes</b>	
Airline Manufacturing Company The	Warehouse Point
<b>Mail Boxes, Apartment &amp; Residential</b>	
Corbin Cabinet Lock Div American Hardware Corp	New Britain
<b>Mailing Machines</b>	
Pitney-Bowes Inc	Stamford
<b>Manicure Instruments</b>	
W E Bassett Company The	Derby
<b>Manganese Bronze Ingot</b>	
Whipple and Choate Company	Bridgeport
<b>Marine Engines</b>	
Kilborn-Sauer Company (running lights and searchlights)	Fairfield
Lathrop Engine Co The	Mystic
<b>Marine Equipment</b>	
Wilcox Crittenden & Co Inc	Middletown
<b>Marine Reserve Gears</b>	
Snow-Nabstedt Gear Corp The	New Haven
<b>Marking Devices</b>	
Hoggson & Pettis Mfg Co The	New Haven
Parker Stamp Works Inc The (steel)	Hartford
<b>Matrices</b>	
W T Barnum & Co Inc	New Haven
<b>Mattresses</b>	
Waterbury Mattress Co	Waterbury
<b>Mechanics Hand Tool</b>	
Bridgeport Hdwe Mfg Corp The (screw drivers, wrenches, pliers, cold chisels, hammers, auto repair tools)	Bridgeport
<b>Metal Boxes and Displays</b>	
Durham Manufacturing Company The	Durham
Merriam Mfg Co (Bond, Security, Cash, Utility, Personal Files, Drawer Safes, Custombuilt containers and displays)	Durham
<b>Metal Cleaners</b>	
Apothecaries Hall Co	Waterbury
Enthone Inc	New Haven
MacDermid Incorporated	Waterbury
<b>Metal Cleaning Machines</b>	
Colt's Manufacturing Company	Hartford
<b>Metal Finishes</b>	
Enthone Inc	New Haven
Mitchell-Bradford Chemical Co	Bridgeport
United Chromium Incorporated	Waterbury
<b>Metal Finishing</b>	
National Sherardizing & Machine Co	Hartford
Waterbury Plating Company	Waterbury
<b>Metal Formings</b>	
Master Engineering Company	West Cheshire
<b>Metalizing</b>	
Conn Metal Finishing Co	Hamden
<b>Metal Novelties</b>	
H C Cook Co The	32 Beaver St Ansonia
<b>Metal Products—Stampings</b>	
American Brass Company The	Waterbury
J H Sessions & Son	Bristol
Seovill Manufacturing Company (Made-to-Order)	Waterbury 91
<b>Metal Specialties</b>	
Excelsior Hardware Co The	Stamford
<b>Metal Stampings</b>	
American Brass Company The	Waterbury
Autoyre Co The (Small)	Oakville
Bridgeport Chain & Mfg Co	Bridgeport
DooVal Tool & Mfg Inc The	Naugatuck
Excelsior Hardware Co The	Stamford
Greist Mfg Co The	503 Blake St New Haven
H C Cook Co The	32 Beaver St Ansonia
Master Engineering Company	West Cheshire
J A Otterbein Company The (metal fabrications)	Middletown
J H Sessions & Son	Bristol
Patent Button Co The	Waterbury
G E Prentice Mfg Co The	Kensington
Plume & Atwood Mfg Co The	Waterbury
Saling Manufacturing Company	Unionville
Stanley Works The	New Britain
Swan Tool & Machine Co The	Hartford
United States Rubber Company	Shoe Hardware Division
Verplex Company The (Contract)	Waterbury
Waterbury Lock & Specialty Co The	Milford
<b>Meters—Gas</b>	
Sprague Meter Company	Bridgeport
<b>Meters—Parking</b>	
Rhodes Inc M H	Hartford
<b>Microscope—Measuring</b>	
Lundberg Engineering Company	Hartford
<b>Milk Bottle Carriers</b>	
John P Smith Co The	423-33 Chapel St New Haven
<b>Millboard</b>	
Raybestos Div of Raybestos-Manhattan Inc The (asbestos)	Bridgeport
<b>Millwork</b>	
Hartford Builders Finish Co	Hartford
<b>Milling Machines</b>	
Pratt & Whitney Div Niles-Bement-Pond Co (Keller Tracer—Controlled Milling Machines)	West Hartford
Rowbottom Machine Company Inc (cam)	Waterbury
<b>Mill Supplies</b>	
Wilcox Crittenden & Co Inc	Middletown
<b>Minute Minders</b>	
Lux Clock Mfg Co The	Waterbury
<b>Mirror Rosettes and Hangers</b>	
Waterbury Companies Inc	Waterbury
<b>Mixing Equipment</b>	
Eastern Industries Inc	New Haven
<b>Mops</b>	
Fuller Brush Co The	Hartford
<b>Moulded Plastic Products</b>	
Colt's Manufacturing Company	Hartford
Patent Button Co The	Waterbury
Waterbury Companies Inc	Waterbury
Watertown Mfg Co The	117 Echo Watertown
<b>Mouldings</b>	
Himmel Brothers Co The (architectural, metal and store front)	Hamden
<b>Moulds</b>	
ABA Tool & Die Co	Manchester
Hoggson & Pettis Mfg Co The (steel)	New Haven
114 Brewery St	New Haven
Lundberg Engineering Company (plastics)	Hartford
Parker Stamp Works Inc The (compression injection & transfer for plastics)	Hartford
Sessions Foundry Co The (heat resisting for non-ferrous metals)	Bristol
<b>Napper Clothing</b>	
Standard Card Clothing Co The (for textile mills)	Stafford Springs
<b>Nettings</b>	
Wilcox Lace Corp The	Middletown
<b>Nickel Anodes</b>	
Apothecaries Hall Co	Waterbury
Seymour Mfg Co The	Seymour
<b>Nickel Silver</b>	
American Brass Company The	Waterbury
Plume & Atwood Mfg Co The	Thomaston
Seymour Mfg Co The	Seymour
Waterbury Rolling Mills Inc (sheets, strips, rolls)	Waterbury
Western Brass Mills Division of Olin Industries Inc (sheet, strip)	Olin Industries Inc New Haven
<b>Nickel Silver Ingot</b>	
Whipple and Choate Company The	Bridgeport
<b>Night Latches</b>	
P & F Corbin Division The American Hardware Corp	New Britain
Sargent & Company	New Haven
Yale & Towne Manufacturing Company The	Stamford
<b>Non-Ferrous Scrap Metals</b>	
Whipple & Choate Company The	Bridgeport
<b>Non-ferrous Metal Castings</b>	
Miller Company The	Meriden
<b>Nuts, Bolts and Washers</b>	
Clark Brothers Bolt Co	Milford
<b>Office Equipment</b>	
Pitney-Bowes Inc	Stamford
Underwood Corporation	Bridgeport & Hartford
<b>Offset Printing</b>	
Kellogg & Bulkeley A Division of Connecticut Printers Inc	Hartford
<b>Oil Burners</b>	
Malleable Iron Fittings Co (domestic)	Branford
Miller Company The (domestic)	Meriden
Peabody Engineering Corp (Mechanical and/or Steam Atomizer)	Stamford
Petroleum Heat & Power Co (domestic, commercial and industrial)	Stamford
Silent Glow Oil Burner Corp The	1477 Park St Hartford
<b>Oil Burner Wicks</b>	
Raybestos Div of Raybestos-Manhattan Inc The	Bridgeport
<b>Oil Tanks</b>	
Norwalk Tank Co The (550 to 30M gals, underwriters above and under ground)	South Norwalk
Whitlock Manufacturing Co The	Hartford
<b>Optical Cores &amp; Ingots</b>	
Plume & Atwood Mfg Co The	Thomaston
<b>Outlets—Electric</b>	
General Electric Company	Bridgeport
<b>Ovens—Electric</b>	
Bauer & Company	Hartford
<b>Package Sealers</b>	
Better Packages Inc	Shelton
<b>Packaging</b>	
Local Industries Inc (merchandising displays and packaging in wood)	Lakeville
<b>Packaging Machinery</b>	
Colt's Manufacturing Company (box making machinery. Trade mark "Rite Size")	Hartford
<b>Packing</b>	
Auburn Manufacturing Company The (leather, rubber, asbestos, fibre)	Middletown
Raybestos Div of Raybestos-Manhattan Inc The (rubber sheet and automotive)	Bridgeport
<b>Pads—Office</b>	
The Baker Goodyear Company	New Britain
<b>Padlocks</b>	
Corbin Cabinet Lock Div American Hardware Corp	New Britain
Sargent & Company	New Haven
Yale & Towne Manufacturing Company The	Stamford
Waterbury Lock & Specialty Co The	Milford
<b>Paints</b>	
Baer Brothers	Stamford
<b>Paints and Enamels</b>	
Staminate Corp The	New Haven
<b>Panta</b>	
Moore Special Tool Co (crush wheel dresser)	Bridgeport
<b>Paperboard</b>	
Gair Company Inc Robert	Montville
Robertson Paper Box Co	Montville
New Haven Pulp and Board Co The	New Haven
<b>Paper Boxes</b>	
Atlantic Carton Corp (folding)	Norwich
Gair Co Inc Robert (folding)	Montville
National Folding Box Co Inc (folding)	New Haven
New Haven Pulp and Board Co The	New Haven
Mills Inc H J	Bristol
Robertson Paper Box Co (folding)	Montville
<b>Paper Boxes—Folding and Setup</b>	
Bridgeport Paper Box Company	Bridgeport
M Backes' Sons Inc	Wallingford
<b>Paper Clips</b>	
H C Cook Co The (steel)	32 Beaver St Ansonia (Advt.)



# I T ' S M A D E I N C O N N E C T I C U T

<b>Paper Mill Machinery</b> Farrel-Birmingham Company Inc Ansonia	<b>Plastics—Moulds &amp; Dies</b> Parker Stamp Works Inc The (for plastics) Hartford	<b>Printing Machinery</b> Banthin Engineering Co (automatic) Bridgeport Thomas W Hail Company Stamford
<b>Paper Tubes and Cores</b> Sonoco Products Co (Climax-Lowell) Div Mystic	<b>Plasticrete Bloc</b> Plasticrete Corp Hamden	<b>Printing Rollers</b> Chambers-Storck Company Inc The (engraved) Norwich
<b>Parallel Tubes</b> Sonoco Products Co (Climax-Lowell) Div Mystic	<b>Plates—Switch</b> General Electric Company Bridgeport	<b>Production Control Equipment</b> United Cinephone Corporation Torrington Wassell Organization (Produc-Trol) Westport
<b>Parkerizing</b> Clairglow Mfg Company Portland	<b>Platers</b> American Metal Products Company Inc Bridgeport Christie Plating Co Grotton City Plating Works Bridgeport Patent Button Co The Waterbury Waterbury Plating Company Waterbury Chromium Process Company The (Chromium Plating only) Derby	<b>Production Welding</b> Consolidated Industries West Cheshire
<b>Parking Meters</b> Rhodes Inc M H Hartford	<b>Platers' Equipment</b> Apothecaries Hall Company Waterbury Conn Metalcraft Inc New Haven Lea Manufacturing Co The Waterbury MacDermid Incorporated Waterbury	<b>Profilers</b> Pratt & Whitney Div Niles-Bement-Pond Co West Hartford
<b>Passenger Car Sander</b> Conn Telephone & Electric Corp Subsidiary of Great American Industries Inc Meriden	<b>Platers Metal</b> Plume & Atwood Mfg Co The Thomaston	<b>Propellers—Aircraft</b> Hamilton Standard Propellers Div United Aircraft Corp East Hartford
<b>Pattern-Makers</b> Farrel-Birmingham Company Inc Ansonia	<b>Plating</b> Christie Plating Co The (including lead plating) Grotton Conn Metal Finishing Co Hamden	<b>Pumps</b> Yale & Towne Manufacturing Company The (Tri-rotor) Stamford
<b>Penlights</b> Bridgeport Metal Goods Mfg Co Bridgeport	<b>Plating Processes and Supplies</b> Enthone Inc New Haven United Chromium Incorporated Waterbury	<b>Pumps—Small Industrial</b> Eastern Industries Inc New Haven
<b>Pet Furnishings</b> Andrew B Hendrix Co The New Haven	<b>Plumbers' Brass Goods</b> Bridgeport Brass Co Bridgeport Keeney Mfg Co The (special bends) Newington Scovill Manufacturing Company Waterbury 48	<b>Pump Valves</b> Colt's Manufacturing Company Hartford
<b>Pharmaceutical Specialties</b> Ernst Bischoff Company Inc Ivoryton	<b>Plumbing Specialties</b> John M Russell Mfg Co Inc Naugatuck	<b>Punches</b> Hoggson & Pettis Mfg Co The (ticket & cloth) 141 Brewery St New Haven
<b>Phosphor Bronze</b> American Brass Company The Waterbury Miller Company The (sheets, strips, rolls) Meriden Seymour Mfg Co The Seymour Waterbury Rolling Mills Inc (sheets, strips, rolls) Waterbury Western Brass Mills Division of Olin Industries Inc (sheet, strip) New Haven	<b>Pole Line Hardware</b> Malleable Iron Fittings Co Branford	<b>Putty Softeners—Electrical</b> Fletcher Terry Co The Box 415 Forestville
<b>Phosphor Bronze Ingots</b> Whipple and Choate Company The Bridgeport	<b>Police Equipment</b> The Smith-Worthington Saddlery Co Hartford	<b>Pyrometers</b> Bristol Co The (recording and controlling) Waterbury
<b>Photographic Equipment</b> Kalart Company Inc Plainville	<b>Polishing Wheels</b> Williamsville Buff Div The Bullard Clark Company Danielson	<b>Radiation—Baseboard Convectors</b> Hoff Manufacturing Company Bethany
<b>Piano Repairs</b> Pratt Read & Co Inc (keys and action) Ivoryton	<b>Poly Chokes</b> Poly Choke Company The (a shotgun choking device) Tariffville	<b>Radiation-Finned Copper</b> Bush Manufacturing Co West Hartford G & O Manufacturing Company The New Haven
<b>Piano Supplies</b> Pratt Read & Co (keys and actions, backs, plates) Ivoryton	<b>Postage Meters</b> Pitney Bowes Inc Stamford	<b>Vulcan Radiator Co The (steel and copper) Hartford</b>
<b>Pile Fabrics</b> Sidney Blumenthal & Co Inc (For furniture, automobiles, railroads, women's wear, toys) Shelton	<b>Power Presses</b> Fenn Manufacturing Company The Hartford	<b>Radiators—Engine Cooling</b> G & O Manufacturing Co New Haven
<b>Pin Up Lamps</b> Verplex Company The Essex	<b>Powered Metal Products</b> American Sintered Alloys Inc Bethel Waterbury Companies Inc Waterbury	<b>Rayon Specialties</b> Hartford Rayon Corporation The Rocky Hill
<b>Pipe</b> American Brass Co The (brass and copper) Waterbury Bridgeport Brass Co (brass and copper) Bridgeport Chas Brass & Copper Co (red brass and copper) Waterbury Craze Company (fabricated) Bridgeport Howard Co (cement well and chimney) New Haven	<b>Prefabricated Buildings</b> City Lumber of Bridgeport Inc The Bridgeport	<b>Rayon Yarns</b> Hartford Rayon Corporation The Rocky Hill
<b>Pipe Fitters' Hand Tools &amp; Machines</b> Capewell Mfg Co The Hartford	<b>Premium Specialties</b> Waterbury Companies Inc Waterbury	<b>Reamers</b> O K Tool Co Inc The (inserted tooth) 33 Hull St Shelton Pratt & Whitney Div Niles-Bement-Pond Co (All types) West Hartford
<b>Pipe Fittings</b> Corley Co Inc Plainville Malleable Iron Fittings Co Branford	<b>Preservatives—Wood, Rope, Fabric</b> Darworth Incorporated ("Cuprinol") Simsbury	<b>Recorders</b> Bristol Co The (automatic controllers, temperature, pressure, flow, humidity) Waterbury
<b>Pipe Plugs</b> Holo-Krome Screw Corporation The (counter-sunk) West Hartford	<b>Press Papers</b> Case Brothers Inc Manchester	<b>Reduction Gears</b> Farrel-Birmingham Company Inc Ansonia Snow-Nahstedt Gear Corp The New Haven
<b>Pipe Plugs—Socketed</b> Holo-Krome Screw Corp The West Hartford	<b>Presses</b> Farrel-Birmingham Company Inc (Hydraulic) Ansonia Henry & Wright Division of Emhart Manufacturing Co (automatic mechanical) Hartford	<b>Refractories</b> Howard Company New Haven Mullite Refractories Company The Shelton
<b>Plastics</b> Naugatuck Chemical Division United States Rubber Co Naugatuck Sponge Rubber Products Co Inc (expanded cellular) Shelton	<b>Presses—Molding</b> Standard Machinery Co The (compression and transfer molding, automatic and semi-automatic) Mystic	<b>Refrigeration</b> Bowser Technical Refrigeration Div Bowser Inc (high altitude, low temperature) Terryville
<b>Plastic Buttons</b> Frank Parizek Manufacturing Co The West Willington Patent Button Co The Waterbury	<b>Presses—Power</b> Waterbury Farrel Foundry & Machine Co The Waterbury	<b>Regulators</b> Norwalk Valve Company (for gas and air) South Norwalk Sorensen & Company Inc Stamford
<b>Plastic Gems</b> Colt's Manufacturing Company Hartford	<b>Pressure Vessels</b> Norwalk Tank Co Inc The (unfired to ASME Code Par U 69-70) South Norwalk Whitlock Manufacturing Co The Hartford	<b>Remote Control Wiring</b> General Electric Company Bridgeport
<b>Plastics Machinery</b> Farrel-Birmingham Company Inc Ansonia	<b>Printing</b> Case Lockwood & Brainard A Division of Connecticut Printers Inc Hartford Finlay Brothers Hartford Heminway Corporation The Waterbury Hunter Press Hartford Lehman Brothers Inc New Haven Taylor & Greenough Co The Wethersfield T B Simonds Inc Hartford A D Steinbach & Sons New Haven The Walker-Rackliff Company New Haven	<b>Resistance Wire</b> C O Jelliff Mfg Co The (nickel chromium, copper nickel, iron chromium, aluminum) Southport Kanthal Corporation The (Kanthal A-1, A, D, DS) Stamford
<b>Plastic—Moulders</b> Colt's Manufacturing Company Hartford Conn Plastics Waterbury General Electric Company Meriden Geo S Scott Mfg Co The Wallingford Waterbury Companies Inc Waterbury Watertown Mfg Co The Watertown		<b>Respirators</b> American Optical Company Safety Division Putnam
		<b>Retainers</b> Hartford Steel Ball Co The (bicycle & automotive) Hartford
		<b>Riveting Machines</b> Grant Mfg & Machine Co The Bridgeport H P Townsend Manufacturing Co The Elmwood L-R Mfg Div of The Ripley Co Torrington Raybestos Div of Raybestos-Manhattan Inc The (brake service equipment) Bridgeport (Adv.)



# I T ' S M A D E I N C O N N E C T I C U T

<b>Rivets</b>	
Blake & Johnson Co The (brass, copper and non-ferrous)	Waterbury
Clark Brothers Bolt Co	Milldale
Connecticut Manufacturing Company The	Waterbury
Plume & Atwood Mfg Co The	Waterbury
Raybestos Div of Raybestos-Manhattan Inc The (brass and aluminum tubular and solid copper)	Bridgeport
Raybestos Div of Raybestos-Manhattan Inc The (iron)	Bridgeport
<b>Rods</b>	
American Brass Company The (copper, brass, bronze)	Waterbury
Bristol Brass Corp The (brass and bronze)	Bristol
Scovill Manufacturing Company (brass and bronze)	Waterbury 91
<b>Roller Skates</b>	
Winchester Repeating Arms Company Division	New Haven
Olin Industries Inc	New Haven
<b>Rolling Mills and Equipment</b>	
Farrel-Birmingham Company Inc	Ansonia
Waterbury Farrel Foundry & Machine Co The	Waterbury
<b>Rolls</b>	
Farrel-Birmingham Company Inc (Chilled and Alloy Iron, Steel)	Ansonia
<b>Rope Wire</b>	
American Steel & Wire Div of U S Steel	New Haven
<b>Rubber Chemicals</b>	
Naugatuck Chemical Division	United States
Rubber Co	Naugatuck
Stamford Rubber Supply Co The ("Factice" Vulcanized Vegetable Oils)	Stamford
<b>Rubber-Cellular</b>	
Sponge Rubber Products Co Inc	Shelton
<b>Rubberized Fabrics</b>	
Duro-Gloss Rubber Co The	New Haven
<b>Rubber Footwear</b>	
Goodyear Rubber Co The	Middletown
United States Rubber Company (Keds, Kedettes, Gaytees, U S Royal Footwear)	Naugatuck
<b>Rubber Gloves</b>	
Seamless Rubber Company The	New Haven
<b>Rubber-Handmade Specialties</b>	
Seamless Rubber Company The	New Haven
<b>Rubber Latex Compounds and Dispersions</b>	
Naugatuck Chemical Division	United States
Rubber Co (coating, impregnating and adhesive compounds)	Naugatuck
<b>Rubber Mill Machinery</b>	
Farrel-Birmingham Company Inc	Ansonia
<b>Rubber-Molded Specialties</b>	
Seamless Rubber Company The	New Haven
<b>Rubber Products-Mechanical</b>	
Auburn Manufacturing Company The (washers, gaskets, molded parts)	Middletown
Canfield Co The H O	Bridgeport
Seamless Rubber Company The	New Haven
<b>Rubber-Reclaimed</b>	
Naugatuck Chemical Division	United States
Rubber Co	Naugatuck
<b>Rubbish Burners</b>	
John P Smith Co The	423-33 Chapel St New Haven
<b>Saddlery</b>	
The Smith-Worthington Saddlery Co	Hartford
<b>Safety Clothing</b>	
American Optical Company Safety Division	Putnam
<b>Safety Fuses</b>	
Ensign-Bickford Co The (mining & detonating)	Simsbury
<b>Safety Gloves and Mittens</b>	
American Optical Company Safety Division	Putnam
<b>Safety Goggles</b>	
American Optical Company Safety Division	Putnam
<b>Saw Blades-Hack</b>	
Capewell Mfg Co The	Hartford
<b>Saws-Metal &amp; Wood Cutting Band</b>	
Capewell Mfg Co The	Hartford
<b>Saws, Band, Metal Cutting</b>	
Atlantic Saw Mfg Co	New Haven
<b>Scales-Industrial Dial</b>	
Kron Company The	Bridgeport
<b>Scissors</b>	
Acme Shear Company The	Bridgeport
<b>Screens</b>	
Hartford Wire Works Co The (Windows, Doors and Porches)	Hartford
<b>Screw Caps</b>	
Weimann Bros Mfg Co The (small for bottles)	Derby
<b>Screw Machines</b>	
H P Townsend Mfg Company The	Elmwood
<b>Screw Machine Accessories</b>	
Barnaby Manufacturing and Tool Company	Bridgeport
<b>Screw Machine Products</b>	
Apex Tool Co Inc The	Bridgeport
Blake & Johnson Co The	Waterbury
Centerless Grinding Co Inc The (Heat treated and ground type only)	Bridgeport
19 Staples Street	Bridgeport
Connecticut Manufacturing Company The	Waterbury
Consolidated Industries	West Cheshire
Eastern Machine Screw Corp The	New Haven
Truman & Barclay St	Winsted
Fairchild Screw Products Inc	Winsted
Franklin Screw Machine Co The (up to 1 1/2" capacity)	Hartford
Greist Mfg Co The (Up to 1 1/2" capacity)	New Haven
Humason Mfg Co The	Forestville
Low Mfg Co The	Wethersfield
National Automatic Products Company The	Berlin
Nelson's Screw Machine Products	Plantsville
New Britain Machine Company The	New Britain
Olson Brothers Company (up to 3/4" capacity)	Plainville
Olson & Sons R P	Southington
Peck Spring Co The	Plainville
Plume & Atwood Mfg Co The	Waterbury
Scovill Manufacturing Company	Waterbury 91
Wallace Metal Products Co Inc	New Haven
Waterbury Machine Tools & Products Co (Brown & Sharpe and Davenport)	Waterbury
Waterville Mfg Co The	Waterville
<b>Screw Machine Tools</b>	
American Cam Company Inc (Circular Form Tools)	Hartford
Pratt & Whitney Div Niles-Bement-Pond Co (Reamers, Taps, Dies, Blades and Knurls)	West Hartford
Somma Tool Co (precision circular form tools)	Waterbury
<b>Screws</b>	
American Screw Company	Willimantic
Atlantic Screw Works (wood)	Hartford
Blake & Johnson Co The (machine and wood)	Waterville
Bristol Company The (socket set and socket cap screws)	Waterbury
Clark Brothers Bolt Co	Milldale
Connecticut Mfg Co The (machine)	Waterbury
Eagle Lock Co The	Terryville
Holo-Krome Screw Corporation The (socket set and socket cap)	West Hartford
Scovill Manufacturing Company	Waterbury 91
Superior Manufacturing Co The	Winsted
<b>Screws-Sockets</b>	
Allen Manufacturing Company The	Hartford
Holo-Krome Screw Corp The	West Hartford
<b>Sealing Tape Machines</b>	
Better Packages Inc	Shelton
<b>Sewing Machines</b>	
Greist Mfg Co The (Sewing Machine attachments)	503 Blake St New Haven
Merrow Machine Co The (Industrial)	Hartford
Singer Manufacturing Company The (Industrial)	Bridgeport
<b>Shaving Soaps</b>	
J B Williams Co The	Glastonbury
<b>Shears</b>	
Acme Shear Co The (household)	Bridgeport
<b>Shells</b>	
Wolcott Tool and Manufacturing Company Inc	Waterbury
<b>Sheet Metal Products</b>	
Airline Manufacturing Company The	Warehouse Point
American Brass Co The (brass and copper)	Waterbury
Merriam Mfg Co (security boxes, fitted tool boxes, tackle boxes, displays)	Durham
Plume & Atwood Mfg Co The	Waterbury
United Advertising Corp Manufacturing Division (Job and Production Runs)	New Haven
<b>Sheet Metal Stampings</b>	
American Brass Company The	Waterbury
American Buckle Co The	West Haven
DooVal Tool & Mfg Inc The	Naugatuck
J H Sessions & Son	Bristol
Patent Button Co The	Waterbury
Plume & Atwood Mfg Co The	Waterbury
<b>Shipment Sealers</b>	
Better Packages Inc	Shelton
<b>Showcase Lighting Equipment</b>	
Wiremold Company The	Hartford
<b>Signals</b>	
H C Cook Co The (for card files)	Ansonia
32 Beaver St	Ansonia
<b>Silk Screening on Metal</b>	
Merriam Mfg Co (Displays and Specialties, to order)	Durham
<b>Sizing and Finishing Compounds</b>	
American Cyanamid Company	Waterbury
<b>Slide Fasteners</b>	
G E Prentice Mfg Co The	Kensington
North & Judd Manufacturing Co	New Britain
Patent Button Co The	Waterbury
<b>Slings</b>	
American Steel & Wire Div of U S Steel	New Haven
<b>Smoke Stacks</b>	
Bigelow Company The (steel)	New Haven
<b>Soap</b>	
J B Williams Co The (Industrial soaps, toilet soaps, shaving soaps)	Glastonbury
<b>Solder-Soft</b>	
Torrey S Crane Company	Plantsville
<b>Special Machinery</b>	
Farrel-Birmingham Company Inc	Ansonia
Henry & Wright Division of Emhart Manufacturing Co	Hartford
H P Townsend Mfg Company The	Elmwood
Lundberg Engineering Company	Hartford
National Sherardizing & Machine Co (mandrels & stock shells for rubber industry)	Hartford
Swan Tool & Machine Co The	Hartford
<b>Special Parts</b>	
Greist Mfg Co The (small machines, especially precision stampings)	New Haven
J H Sessions & Son	Bristol
<b>Special Industrial Locking Devices</b>	
Corbin Cabinet Lock Div American Hardware Corp	New Britain
<b>Special Tools &amp; Dies</b>	
Lundberg Engineering Company	Hartford
<b>Spinnings</b>	
American Metal Products Company Inc	Bridgeport
Gray Manufacturing Company The	Hartford
<b>Sponge Rubber</b>	
Sponge Rubber Products Co The	Shelton
United States Rubber Company	Naugatuck
<b>Spray Painting Equipment and Supplies</b>	
Lea Manufacturing Co The	Waterbury
<b>Spring Coiling Machines</b>	
Torrington Manufacturing Co The	Torrington
<b>Spring Units</b>	
Owen Silent Spring Division	American Chain
& Cable Company Inc	Bridgeport
<b>Spring Washers</b>	
Wallace Barnes Co The Div Associated Spring Corp	Bristol (Advt.)



# I T ' S M A D E I N C O N N E C T I C U T

<b>Springs—Coil &amp; Flat</b>		
Bristol Spring Manufacturing Co	Plainville	
Foursome Manufacturing Company	Bristol	
Han-Dee Spring and Manufacturing Co The	Hartford	
(Coil and Flat)	Hartford	
Humason Mfg Co The	Forestville	
Newcomb Spring Corp The	Bridgeport Division	
New England Spring Manufacturing Company	Unionville	
Peck Spring Co The	Plainville	
Wallace Barnes Co The Div Associated Spring Corp	Bristol	
<b>Springs—Flat</b>		
Bristol Spring Manufacturing Co	Plainville	
Foursome Manufacturing Company	Bristol	
Wallace Barnes Co The Div Associated Spring Corp	Bristol	
New England Spring Manufacturing Company	Unionville	
<b>Springs—Furniture</b>		
Owen Silent Spring Division American Chain & Cable Company Inc	Bridgeport	
<b>Springs—Wire</b>		
Bristol Spring Manufacturing Co	Plainville	
Colonial Spring Corporation The	Hartford	
Connecticut Spring Corporation The (compression, extension, torsion)	Hartford	
D R Templeman Co (coil and torsion)	Plainville	
Foursome Manufacturing Company	Bristol	
J W Bernston Company (coil and torsion)	Unionville	
Newcomb Spring Corp The	Bridgeport Division	
New England Spring Mfg Co	Bridgeport	
Wallace Barnes Co The Div Associated Spring Corp	Bristol	
<b>Springs, Wire &amp; Flat</b>		
Autoyre Company The	Oakville	
<b>Stamped Metal Products</b>		
American Brass Company The	Waterbury	
Waterbury Companies Inc	Waterbury	
<b>Stamps</b>		
Hoggson & Pettis Mfg Co The (steel)	141 Brewery St New Haven	
Parker Stamp Works Inc The (steel)	Hartford	
<b>Stampings</b>		
American Metal Products Company Inc	Bridgeport	
Donahue Mfg Co Inc	Watertown	
DouVal Tool & Mfg Inc The	Naugatuck	
Han-Dee Spring and Manufacturing Co The (small)	Hartford	
Plume & Atwood Mfg Co The (small)	Waterbury	
<b>Stampings—Small</b>		
Acme Shear Co The	Bridgeport	
American Metal Products Company Inc	Bridgeport	
Bristol Spring Manufacturing Co	Plainville	
Foursome Manufacturing Co The	New Haven	
Greist Manufacturing Co The	New Haven	
Master Engineering Company	West Cheshire	
Rogers Corporation (Fibre Cellulose Paper)	Manchester	
Wallace Barnes Co The Div Associated Spring Corp	Bristol	
<b>Stationery Specialties</b>		
American Brass Company The	Waterbury	
<b>Steel</b>		
Stanley Works The (hot and cold rolled strip)	New Britain	
<b>Steel Sastings</b>		
Farrel-Birmingham Company Inc	Ansonia	
Hartford Electric Steel Co The (carbon and alloy steel)	540 Flatbush Ave Hartford	
Malleable Iron Fittings Co	Branford	
Nutmeg Crucible Steel Co	Branford	
<b>Steel—Cold Rolled Spring</b>		
Wallace Barnes Co The Div Associated Spring Corp	Bristol	
<b>Steel—Cold Rolled Stainless</b>		
Wallingford Steel Company	Wallingford	
<b>Steel—Cold Rolled Strip and Sheets</b>		
American Steel & Wire Div of U S Steel	New Haven	
Detroit Steel Corporation	New Haven	
Wallingford Steel Company	Wallingford	
<b>Steel Goods</b>		
Merriam Mfg Co (sheets products to order)	Durham	
<b>Steel Rolling Rules</b>		
Waterbury Lock & Specialty Co The	Milford	
<b>Steel Strapping</b>		
Stanley Works The	New Britain	
<b>Stereotypes</b>		
W T Barnum & Co Inc	New Haven	
New Haven Electrotype Div Corp	New Haven	
<b>Stop Clocks, Electric</b>		
H C Thompson Clock Co The	Bristol	
<b>Straps, Leather</b>		
Auburn Manufacturing Company The (textile, industrial, skate, carriage)	Middletown	
<b>Studio Couches</b>		
Waterbury Mattress Co	Waterbury	
<b>Super Refractories</b>		
Mullite Refractories Company The	Shelton	
<b>Surface Metal Raceways &amp; Fittings</b>		
Wiremold Company The	Hartford	
<b>Surgical Dressings</b>		
Acme Cotton Products Co Inc	East Killingly	
Seamless Rubber Company The	New Haven	
<b>Surgical Rubber Goods</b>		
Seamless Rubber Company The	New Haven	
<b>Switches—Electric</b>		
General Electric Company	Bridgeport	
<b>Swaging Machinery</b>		
Hartford Special Machinery Co The	Hartford	
<b>Switchboards</b>		
Plainville Electrical Products Company	Plainville	
<b>Switchboards Wire and Cables</b>		
Rockbestos Products Corp (asbestos insulated)	New Haven	
<b>Synchronous Motors</b>		
R W Cramer Company Inc The	Centerbrook	
<b>Tanks</b>		
Bigelow Company The (steel)	New Haven	
Storts Welding Company (steel and alloy)	Meriden	
<b>Tape</b>		
Russell Mfg Co The	Middletown	
<b>Tape Recorders</b>		
Conn Telephone & Electric Corp Subsidiary of Great American Industries Inc	Meriden	
<b>Tape Recorder Magazines</b>		
Conn Telephone & Electric Corp Subsidiary of Great American Industries Inc	Meriden	
<b>Tap Extractors</b>		
Walton Company The	West Hartford	
<b>Taps</b>		
Pratt & Whitney Div Niles-Bement-Pond Co	West Hartford	
<b>Tarred Lines</b>		
Brownell & Co Inc	Moodus	
<b>Telemetering Instruments</b>		
Bristol Co The	Waterbury	
<b>Telephone Answering &amp; Recording Machines</b>		
Conn Telephone & Electric Corp Subsidiary of Great American Industries Inc	Meriden	
<b>Testers—Insulation Wire &amp; Cable</b>		
Davis Electric Company	Wallingford	
<b>Testers—Non-Destructive</b>		
Sperry Products Inc	Danbury	
<b>Textile Machinery</b>		
Morrow Machine Co The	2814 Laurel St Hartford	
<b>Textile Mill Supplies</b>		
Ernst Bischoff Company Inc	Ivoryton	
<b>Textile Processors</b>		
American Dyeing Corporation (rayon, acetate)	Rockville	
Aspinook Corp The (cotton)	Jewett City	
<b>Thermometers</b>		
Bristol Co The (recording and automatic control)	Waterbury	
Manning Maxwell & Moore Inc	Stratford	
<b>Thermostats</b>		
Bridgeport Thermostat Company Inc (automatic)	Bridgeport	
<b>Thin Gauge Metals</b>		
Plume & Atwood Mfg Co The	Thomaston	
Thinsheet Metals Co The (plain or tinned in rolls)	Waterbury	
<b>Thread</b>		
American Thread Co The	Willimantic	
Belding Heminway Corticelli	Putnam	
Gardner Hall Jr Co The (cotton sewing)	South Willington	
Max Pollack & Co Inc	Groton and Willimantic	
Wm Johl Manufacturing Co	Mystic	
<b>Thread Gages</b>		
Pratt & Whitney Div Niles-Bement-Pond Co	West Hartford	
<b>Thread Milling Machines</b>		
Pratt & Whitney Div Niles-Bement-Pond Co	West Hartford	
<b>Thread Rolling Machinery</b>		
Hartford Special Machinery Co The	Hartford	
<b>Threading Machines</b>		
Grant Mfg & Machine Co The (double and automatic)	Bridgeport	
<b>Time Recorders</b>		
Stromberg Time Corp	Thomaston	
<b>Timers, Interval</b>		
A W Haydon Co The	Waterbury	
H C Thompson Clock Co The	Bristol	
R W Cramer Company Inc The	Centerbrook	
Rhodes Inc M H	Hartford	
<b>Timing Devices</b>		
A W Haydon Co The	Waterbury	
R W Cramer Company Inc The	Centerbrook	
Lux Clock Manufacturing Company	Waterbury	
Rhodes Inc M H	Hartford	
Seth Thomas Clocks	Thomaston	
United States Time Corporation The	Waterbury	
<b>Timing Devices &amp; Time Switches</b>		
A W Haydon Co The	Waterbury	
Lux Clock Manufacturing Company	Waterbury	
M H Rhodes Inc	Hartford	
<b>Timing Mechanisms</b>		
Gilbert Clock Corp The William L	Winsted	
<b>Tinning</b>		
Thinsheet Metals Co The (non-ferrous metals in rolls)	Waterbury	
Wilcox Crittenden & Co Inc	Middletown	
<b>Tools</b>		
Hoggson & Pettis Mfg Co The (rubber workers)	141 Brewery St New Haven	
O K Tool Co Inc The (inserted tooth metal cutting)	33 Hull St Shelton	
<b>Tool Chests</b>		
Vanderman Manufacturing Co The	Willimantic	
<b>Tools &amp; Dies</b>		
Moore Special Tool Co	Bridgeport	
Swan Tool & Machine Co The	Hartford	
<b>Tools, Dies &amp; Fixtures</b>		
Fonda Gage Company (also jigs)	Stamford	
Greist Mfg Co The	New Haven	
<b>Tools, Hand &amp; Mechanical</b>		
Bridgeport Hardware Mfg Corp The (screw drivers, nail pullers, box tools, wrenches, auto tools, forgings & specialties)	Bridgeport	
<b>Tools—Pipe Fitters' Hand</b>		
Capewell Mfg Co The	Hartford	
<b>Toys</b>		
A C Gilbert Company	New Haven	
Geo S Scott Mfg Co The	Wallingford	
Gong Bell Co The	East Hampton	
N N Hill Brass Co The	East Hampton	
Waterbury Companies Inc	Waterbury	
<b>Tramways</b>		
American Steel & Wire Div of U S Steel	New Haven	
<b>Trucks—Commercial</b>		
Metropolitan Body Company (International Harvester truck chassis and "Metro" bodies)	Bridgeport	
<b>Trucks—Industrial</b>		
George P Clark Co	Windsor Locks	
<b>Trucks—Lift</b>		
Excelsior Hardware Co The	Stamford	
George P Clark Co	Windsor Locks	
<b>Trucks—Skid Platforms</b>		
Excelsior Hardware Co The (lift)	Stamford	
<b>Tube Bending</b>		
Donahue Mfg Co Inc	Watertown	
<b>Tube Clips</b>		
H C Cook Co The (for collapsible tubes)	32 Beaver St Ansonia	
Weimann Bros Mfg Co The (for collapsible tubes)	Derby (Advt.)	



# IT'S MADE IN CONNECTICUT

**Tube Fittings**  
 Scovill Mfg Co ("Uniflare") Waterbury

**Tubers**  
 Standard Machinery Co The (tubers for both rubber and plastic industries) Mystic

**Tubes—Collapsible Metal**  
 Sheffield Tube Corp The New London

**Tubing**  
 American Brass Co The (brass and copper) Waterbury  
 Bridgeport Brass Company (brass and copper) Bridgeport  
 G & O Manufacturing Co (finned) New Haven  
 Scoville Manufacturing Company (Brass and Copper) Waterbury 91

**Tubing—Flexible Metallic**  
 American Brass Co Metal Hose Branch Waterbury

**Tubing—Heat Exchanger**  
 American Brass Company The Waterbury  
 Scovill Manufacturing Company Waterbury 91

**Typewriters**  
 Royal Typewriter Co Inc Hartford  
 Underwood Corporation Hartford

**Typewriters—Portable**  
 Underwood Corporation Hartford

**Typewriter Ribbons and Supplies**  
 Underwood Corporation Hartford and Bridgeport

**Underclearer Rolls**  
 Sonoco Products Co (Climax-Lowell Div) Mystic

**Upholstering Fabrics—Woolen & Worsted**  
 Broad Brook Company (automobile, airplane, railroad) Broad Brook

**Vacuum Bottles and Containers**  
 American Thermos Bottle Co Norwich

**Vacuum Cleaners**  
 Electrolux Corporation Old Greenwich  
 Spencer Turbine Co The Hartford

**Valves**  
 Norwalk Valve Company (sensitive check valves) South Norwalk

**Valve Discs**  
 Colt's Manufacturing Company Hartford

**Valves—Automobile Tire**  
 Bridgeport Brass Company Bridgeport

**Valves—Radiator Air**  
 Bridgeport Brass Company Bridgeport

**Valves—Relief & Control**  
 Beaton & Cadwell Mfg Co New Britain

**Valves—Safety & Relief**  
 Manning Maxwell & Moore Inc Stratford

**Vanity Boxes**  
 Bridgeport Metal Goods Mfg Co Bridgeport

**Varnishes**  
 Baer Brothers Stamford  
 Staminite Corp The New Haven

**Velvets**  
 American Velvet Co (owned and operated by A Wimpfheimer & Bro Inc) Stonington  
 Leiss Velvet Mfg Co Inc The Willimantic  
 Velvet Textile Corporation The (Velveten) West Haven

**Venetian Blinds**  
 Findell Manufacturing Company Manchester  
 New England Shade & Blind Co Inc Durham

**Ventilating Systems**  
 Colonial Blower Company Plainville

**Vertical Shapers**  
 Pratt & Whitney Div Niles-Bement-Pond Co West Hartford

**Vibrators—Pneumatic**  
 New Haven Vibrator Company (industrial) New Haven

**Vises**  
 Charles Parker Co The Meriden  
 Fenn Manufacturing Company The (Quick-Action Vises) Hartford  
 Vanderman Manufacturing Co The (Combination Bench Pipe) Willimantic

**Washers**  
 American Felt Co (felt) Glenville  
 Auburn Manufacturing Company The (all materials) Middletown  
 Blake & Johnson The (brass, copper & non-ferrous) Waterville  
 Clark Brothers Bolt Co Milldale

**Washers (Continued)**  
 Plume & Atwood Mfg Co The (brass & copper) Waterbury  
 Raybestos Div of Raybestos-Manhattan Inc (the clutch washers) Bridgeport  
 J H Rosenbeck Inc Torrington  
 Saling Manufacturing Company (made to order) Unionville  
 Sessions Foundry Co The (cast iron) Bristol

**Washers—Felt**  
 Chas W House & Sons Inc (Mills & Cutting Plant) Unionville

**Washing Machines—Electric**  
 General Electric Company Bridgeport

**Watches**  
 E Ingraham Co The Bristol  
 United States Time Corporation The Waterbury

**Water Heaters**  
 Whitlock Manufacturing Co The (instantaneous & storage) Hartford

**Water Heaters—Electric**  
 Bauer & Company Inc Hartford

**Water Heaters—Gas or Kerosene**  
 Holyoke Heater Corp of Conn Inc Hartford

**Waterproof Dressings for Leather**  
 Viscol Company The Stamford

**Waxes—Floor**  
 Fuller Brush Co The Hartford

**Wedges**  
 Saling Manufacturing Company (hammer & axe) Unionville

**Welding**  
 Farrel-Birmingham Company Inc Ansonia  
 G E Wheeler Company (Fabrication of Steel and Non-Ferrous Metals) New Haven  
 Industrial Welding Company (Equipment Manufacturers—Steel Fabricators) Hartford  
 Porupine Company The Bridgeport

**Welding—Lead**  
 Storts Welding Company (tanks and fabrication) Meriden

**Welding Rods**  
 American Brass Company The Waterbury  
 Bristol Brass Co The (brass & bronze) Bristol

**Wheels—Industrial**  
 George P Clark Co Windsor Locks

**Wicks**  
 Auburn Manufacturing Company The (felt, asbestos) Middletown  
 Holyoke Heater Corp of Conn Inc Hartford  
 Raybestos Div of Raybestos-Manhattan Inc (the oil burner wicks) Bridgeport  
 Russell Mfg Co The Middletown

**Window & Door Guards**  
 Hartford Wire Works Co The Hartford  
 Smith Co The John P New Haven

**Window Shades**  
 New England Shade & Blind Co Inc Durham

**Wiping Cloths**  
 Federal Textile Corporation New Haven

**Wire**  
 American Brass Company The Waterbury  
 American Steel & Wire Div of U S Steel New Haven  
 Atlantic Wire Co The (steel) Branford  
 Bartlett Hair Spring Wire Co The (hair spring) North Haven  
 Bridgeport Brass Company (brass and silicon bronze) Bridgeport  
 Bristol Brass Corp The (brass & bronze) Bristol  
 Driscoll Wire Co The (steel) Shelton  
 Hudson Wire Co Winsted Div (insulated & enameled magnet) Winsted  
 Platt Bros & Co The (zinc wire) P O Box 1030 Waterbury  
 Plume & Atwood Mfg Co The (brass, bronze, nickel silver) Thomaston  
 Scovill Manufacturing Company (Brass, Bronze and Nickel Silver) Waterbury 91

**Wire and Cable**  
 General Electric Company (for residential, commercial and industrial applications) Bridgeport

**Wire Arches & Trellises**  
 Hartford Wire Works Co The Hartford  
 John P Smith Co The 423-33 Chapel St New Haven

**Wire Baskets**  
 Rolock Inc (Industrial—for acid, heat, degreasing) Fairfield  
 Wirtex Mfg Co Inc (Industrial, for acid, heat, treating and degreasing) Bridgeport

**Wire Cable**  
 Bevin-Wilcox Lise Co The (braided) East Hampton

**Wire Cloth**  
 Hartford Wire Works Co The Hartford  
 C O Jelliff Mfg Co The (all metal, all meshes) Southport  
 Pequot Wire Cloth Co Inc Norwalk  
 Rolock Incorporated Fairfield  
 Smith Co The John P New Haven

**Wire Drawing Dies**  
 Waterbury Wire Die Co The Waterbury

**Wire Dipping Baskets**  
 Hartford Wire Works Co The Hartford  
 John P Smith Co The 423-33 Chapel St New Haven

**Wire Formings**  
 Autoyre Co The Oakville  
 G E Prentice Mfg Co The Kensington  
 Master Engineering Company West Cheshire  
 North & Judd Manufacturing Co New Britain  
 Verplex Company The Essex

**Wire Forms**  
 Bristol Spring Manufacturing Co Plainville  
 Colonial Spring Corporation The Hartford  
 Connecticut Spring Corporation The Hartford  
 Foursome Manufacturing Company Bristol  
 Humason Mfg Co The Forestville  
 New England Spring Mfg Co Unionville  
 Templeman Co D R Plainville  
 Wallace Barnes Co The Div Associated Spring Corp Bristol

**Wire Goods**  
 American Buckle Co The (overall trimmings) West Haven  
 Patent Button Co The Waterbury  
 Scovill Manufacturing Company (To Order) Waterbury 91

**Wire Partitions**  
 Hartford Wire Works Co The Hartford  
 John P Smith Co The 423-33 Chapel St New Haven

**Wire Products**  
 Clairglow Mfg Company Portland  
 Plume & Atwood Mfg Co The (to order) Waterbury

**Wire Reels**  
 A H Nilson Mach Co The Bridgeport

**Wire Rings**  
 American Buckle Co The (pan handles and tinners' trimmings) West Haven  
 Templeman Co D R Plainville

**Wire Rope and Strand**  
 American Steel & Wire Div of U S Steel New Haven

**Wire Shapes**  
 Bridgeport Chain & Mfg Co Bridgeport

**Wire—Specialties**  
 Andrew B Hendryx Co The New Haven

**Wires and Cable**  
 Rockbestos Products Corporation (all asbestos, mining, shipboard and appliance applications) New Haven

**Wood Handles**  
 Salisbury Cutlery Handle Co The (for cutlery & small tools) Salisbury

**Wood Scrapers**  
 Fletcher-Terry Co The Forestville

**Woodwork**  
 C H Dresser & Sons Inc (Mfg all kinds of woodwork) Hartford  
 Hartford Builders Finish Co Hartford

**Woodworking**  
 Local Industries Inc Lakeville

**Woven Awning Stripes**  
 Falls Company The Norwich

**Woven Felts—Wool**  
 Chas W House & Sons Inc (Mills & Cutting Plant) Unionville

**Yarns**  
 Hartford Spinning Incorporated (Woolen, knitting and weaving yarns) Unionville  
 Aldon Spinning Mills Corporation The (fine-woolen and specialty) Talcottville  
 Ensign-Bickford Co The (jute carpet) Simsbury

**Zinc**  
 Platt Bros & Co The (ribbon, strip and wire) P O Box 1030 Waterbury

**Zinc Castings**  
 Newton-New Haven Co Inc 688 Third Ave West Haven (Advt.)



## The Story of Vocatron

(Continued from page 12)

noise discrimination circuits and several other new features. New capital was obtained when the existing stockholders, as well as several others, decided to buy more stock. With only some competent clerical assistance, Cooney continued to operate the company and watched sales grow rapidly.

### Expansion

Lester Strong decided to join the firm in June, 1951 as Vice President, to assist with sales and sales promotion. Sales kept increasing and reached a total of \$250,000 in 1951, erasing the 1950 operating deficit.

In early 1952, the stockholders voted to re-capitalize at \$250,000. Approximately \$50,000 of the new stock (convertible preferred) was offered and sold almost immediately. Sales have continued upward, reaching \$150,000 in the first quarter of 1952.

Carroll Cooney predicts that 1952 will see a total business of close to \$1,000,000 based on:

1. Increasing sales of Standard Model Vocatron.
2. Introduction of Special Model Vocatron which is designed for longer-range and more sensitive operation.
3. Stepped-up facilities for pilot runs in the Old Saybrook plant.
4. Additional pilot run assembly facilities in the new \$25,000 research and development laboratory now being built in Waldoboro, Maine. This plant will be used for further experimentation on Vocatron and on other electronic equipment for the Vocaline Company as well as for other concerns.
5. Negotiations now under way for research contracts with a number of Government agencies.
6. Plans for custom-building "wireless type" communications equipment of a specialized nature.
7. Experimentation on other apparatus operating on the carrier principle, about which the company officials will divulge nothing at present except to say that the market for this equipment seems equally as great as for Vocatron.

The company employed 20 people in April, 1952 and expects around 50 before the end of this year. The management was aided considerably by the retirement in April by the Air Force of Frederick Irwin, who rejoined Vocaline Company as Treasurer.

### Distribution Methods and Product Uses

Sales of Vocatron are through sales agents, distributors (electronic jobbers, electrical appliance, radio and television wholesalers, school and medical supply houses, office supply houses), direct-selling arrangements, and large mail-order companies. Retail outlets, in almost every large city in the United States, include electric appliance, radio and television stores, department stores, office supply stores, higher-type specialty shops, hardware stores, and other miscellaneous outlets.

Purchasers of Vocatrons include home-owners, offices, factories, warehouses, institutions, farmers, hotels, retail stores, and professional people.

Uses include room to room communication in the home and in the office or plant, building to building use when served by the same transformer, office to plant or warehouse operation, house to out-buildings on farms, floor to floor intercommunication in schools, hospitals and institutions, and countless others. The Vocaline Company's personnel are constantly fascinated by the unusual and varied uses to which many Vocatron owners put their units. For instance, the Lighting Director for the nation's largest circus and equally prominent Ice Show uses his mobile Vocatron units as a means for directing and synchronizing the spot lights with the appearance of the performers.

Vocatrons retail at \$79.50 per pair of Standard Model CC-2 talk-listen units, and at \$97.50 per pair of Special Model CC-25(S) units (slightly higher west of the Rockies).

Besides the completion of a new Electronics Research and Development Laboratory this summer in Waldoboro, Maine, Vocaline Company recently purchased controlling interest of the Bristol Motor Company of Old Saybrook, manufacturers of Circle "B" Synchronous Timing Motors.

These combined enterprises employing nearly 85 persons will be administered under the name V. C. A. Inc., with main offices in Old Saybrook, Connecticut.

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# Seen this scene before?



## You've probably held it in your hand.

This colonial scene has probably been reprinted more than any other in existence since it has appeared as the stock design on literally millions of Puritan paper cups and containers. The now giant paper cup industry was begun right here in New England in our Kensington, Connecticut, plant. Today Puritans are widely recognized as the way to provide fast, sanitary drinking service — with maximum efficiency.



**THE AMERICAN PAPER GOODS CO.**

KENSINGTON, CONNECTICUT • CHICAGO, ILLINOIS

SINCE 1893

A.P.G. is the one to see for Puritan Cups and Containers and A.P.G. Bags and Envelopes.



# Storm Paralyzes Rush Hour Traffic

For the second time in less than a week Hartford traffic was completely stalled during morning rush hour by the weather.

Every car that came to the big intersection of the city was stuck in traffic. The manager of the city's traffic department said that the weather was the worst he had ever seen.

The weather was so bad that it was impossible to get out of the city. The manager of the city's traffic department said that the weather was the worst he had ever seen.

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# Crash To Sea

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# To Ban Le Clubs

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# Truman Dismissal

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**When winter strikes . . . Be Safe, Be Sure with BALCO BUNKER "C"**

- Whatever the weather, Balco's modern delivery fleet is always on the go—speeding dependable Balco Bunker "C" to every part of the state.
- Hundreds of industrial users place their confidence in Balco's widespread storage and delivery facilities to provide this fine fuel when it's needed, where it's needed—without costly interruption.
- Reliable, too, is the quality, cleanliness and economy of Balco Bunker "C"—the modern fuel that's been proven satisfactory in countless commercial, industrial and institutional heating installations throughout Connecticut.
- Whatever your immediate or long-range heating plans, Balco's engineers will be glad to make expert, money-saving suggestions. To get the benefit of Balco's years of experience—without obligation—contact them at Box 1078 —Hartford or phone Hartford 9-3341.

**The BALLARD OIL Co.**

HARTFORD,

CONNECTICUT





